*first round started with adfg community profile database cpdb mdb and saved as AON_SID_mdb.
*second round April 21 2009 started with Excel file "FullCSIS.xls" from David Koster at ADF&G containing all records from 1978-2007.
*used stat transfer to translate two sheets from FullCSIS.xls into SPSS files FullCSIS_p1 and FullCSIS_p
*imported aon_sip geography as "alaska places" table.
*using queries, merged harvest data, aon_sip geography, and adfg methods.
*used stat transfer to translate resulting table 'harv_comm_method' to spss as 'harv_comm_method sav'.
file handle adfg /name='C:\Users\Jack\Documents\AON-HD\marine mammals'.
*get file='adfg\harv_comm_method.sav'.
*it turns out string lengths on two variables are not the same so manually changed them in p1 file to match p2 - rescat, resource.
get file='adfg\fullcsis_p1.sav'.
dataset name file1.
dataset activate file1.
add files
file=*  
/file='adfg\fullcsis_p2.sav'.
sort cases by commcode.
save outfile='adfg\fullcsis.sav'.
dataset close file1.

get file='C:\Users\Jack\Documents\AON-HD\Database\alaska_places.sav'.
dataset name file2.
dataset activate file2.
*dataset activate 'C:\Users\Jack\Documents\AON-HD\Database\alaska_places.sav'.
compute commcode = adfg_commcode.
sort cases by commcode.
select if (commcode ge 1).
save outfile='C:\Users\Jack\Documents\AON-HD\Database\alaska_places2.sav'.
get file='adfg\fullcsis.sav'.
dataset name file3.
dataset activate file3.
dataset close file2.
*dataset activate 'adfg\fullcsis.sav'.
march files
file=*  
/in=adfg  
/table='C:\Users\Jack\Documents\AON-HD\Database\alaska_places2.sav' 
/by commcode.
select if (adfg=1).
*frequencies variables=AON_Place.
save outfile='adfg\aon-sid-harvest1.sav'.

get file='adfg\aon-sid-harvest1.sav'.
dataset name file4.
dataset activate file4.
dataset close file3.
*dataset activate 'adfg\aon-sid-harvest1.sav'.
*select if (sysmis(aon_place)).
*list variables=commcode commname.
recode rescode (0, 100000000, 120000000, 111000000, 112000000, 113000000, 114000000, 115000000, 119000000, 120200000, 120300000, 120306000, 120400000, 120402000, 120406000, 120499000, 121000000, 121002000, 121008000, 121010000, 121099000, 121400000, 121499000, 123000000, 123099000, 124600000, 124800000, 125000000, 125002000, 125004000, 125006000, 125010000, 125200000, 125400000, 126000000, 126200000, 126400000, 126404000, 126406000, 126406020, 126406040, 126406060, 126408000, 126412000, 126499000, 129900000, 210000000, 210600000, 210800000, 211000000, 211800000, 212000000, 212200000, 220000000, 220802000, 221000000, 221002000, 221004000, 221800000, 222400000, 222800000, 222802000, 300000000, 300400000, 300600000, 300602000, 300800000, 300802000, 300802020, 300804000, 300806000, 300807025, 300807030, 300807050, 300808000, 300810000, 300812000, 301000000, 301200000, 301400000, 301602000, 301606000, 301608000, 301610000, 301612000, 301614000, 301616000, 301618000, 301622000, 301628000, 301630500, 400000000, 410200000, 410204000, 410206000, 410206010, 410206020, 410206040, 410206060, 410206080, 410206990, 410210000, 410210040, 410212000, 410214000, 410216000, 410216020, 410216040, 410216990, 410218000, 410220000, 410226000, 410226020, 410226040, 410226990, 410228000, 410228020, 410228040, 410228060, 410228990, 410230000, 410232000, 410232060, 410236000, 410236020, 410299000, 410400000, 410402000, 410404000, 410404040, 410404080, 410404090, 410404990, 410406000, 410408000, 410410000, 410499000, 410600000, 410604000, 410800000, 410802000, 411000000, 411002000, 411202000, 411202040, 411202060, 411202080, 411202990, 411204000, 411204040, 411204990, 411210000, 411212000, 411212020, 411212040, 411212080, 411214000, 411214020, 411216000, 411216020, 411216040, 411216060, 411216080, 411216990, 411218000, 411218020, 411218040, 411218990, 411222000, 411222020, 411222040, 411222990, 411299000, 420000000, 421800000, 421802000, 421804000, 421804020, 421804040, 421804990, 422000000, 422002000, 430200000, 430206000, 430206020, 430206040, 430206060, 430206990, 430214000, 430218000, 430220000, 430226000, 430226020, 430228000, 430232000,
variable labels aon_resource_codes 'aon resource and all species'.
select if (aon_resource_codes eq 1).
rename variables (region=adfgregion).
variable labels
commname 'Community name'
commcode 'Community code'
adfgregion 'ADF&G Region'
subreg 'ADF&G Subregion'
fedregname 'Federal Region Name'
quad 'USGS Quad name'
wcregion 'ADF&G Wildlife Conservation Region'
Road 'Community on road network'
Rural 'Community in area designated as rural'
Fisharea 'ADF&G fish area name'
year 'Year the information pertains to'
rescode 'Resource code'
resource 'Name of resource'
rescat 'Resource Category Name'
speclist 'Primary species (coded 1) are those species that were asked about by name on our survey 
Secondary species (coded 2) are either summations of primary species or are breakdowns or primary 
trying' Percent of households trying to harvest resource (to 1 decimal)'
hrvsting 'Percent of households harvesting resource (to 1 decimal)'
used 'Percent of households using resource (to 1 decimal)'
giving 'Percent of households giving resource (to 1 decimal)'
receiving 'Percent of households receiving resource (to 1 decimal)'
units 'Units used to measure the resource (individuals, gallons, buckets, etc)'
umnumharv 'Total amount of the resource harvested by sample (to 1 decimal)'
totlbhrv 'Total pounds harvested by sample (to 1 decimal)'
convfact 'Conversion factor for resource used to convert units of measure to pounds of edible weight'
xtotnum 'Estimated total number of units harvested by the community Calculated as the product of the 
average number of units harvested by a household (NUMHARV/SAMPHH) and the number of households 
the community (COMMHH) The result is rounded to an inteter val'
xtotlbs 'Estimated total pounds harvested by the community  Calculated as the average pounds harvested by the sample (AVGLBHRV) times the number of households in the community (COMMHH), rounded to a integer vaule'
percap 'Per Capita Wild Food Harvest - lbs'
pm95pct '95th Upper Confidence Limit - percentage'.

*The following are old ADF&G variables not in this file - note some are from old methods file
percapg 'Per Capita Wild Food Harvest - grams per day'
mupch 'Mean Per Capita Use'
mupchg 'Mean Per Capita Use - grams per day'
ulmupch '95% Upper Confidence Limit Mean Per Capita Use'
ulmupchg '95% Upper Confidence Limit Mean Per Capita Use - grams per day'
pcttotal 'Percentage Contribution to Total Harvest (pounds)'
mupc '50th Percentile Per Capita Use (Median User) Computed from Household Data - grams per day'
ulmupc '95th Percentile Per Capita Use (High End User) Computed from Household Data - grams per day'
xupc '100th Percentile Per Capita Use (Top User) Computed from Household Data - grams per day'
resmemo 'Comments pertaining to the harvest information for each resource ' 
repyear 'designates the study year for each community considered to be the most representative of harvest and use levels and patterns (0 = no, 1 = yes)'
baseline 'designates that the full range of subsistence resources was asked'
repcomment 'comments pertaining to the repyear field'
commhh 'number of households in the community'
samphh 'number of households in the sample'
sampfrac 'percentage of households in the community that were sampled'
commpop 'estimated number of people in the community'
samppop 'number of people in sampled households'
methmemo 'comments pertaining to data in dat:methods table'.
value labels rescode
0 'All Resources'
100000000 'Fish'
120000000 'Non-Salmon Fish'
110000000 'Salmon'
111000000 'Chum Salmon'
112000000 'Coho Salmon'
113000000 'Chinook Salmon'
114000000 'Pink Salmon'
115000000 'Sockeye Salmon'
119000000 'Unknown Salmon'
120200000 'Herring'
120300000 'Herring Roe'
120306000 'Herring Spawn on Kelp'
120400000 'Smelt'
120402000 'Capelin (grunion)'
120406000 'Rainbow Smelt'
120499000 'Unknown Smelt'
121000000 'Cod'
121002000 'Arctic Cod'
300600000 'Porpoise'
300602000 'Dall Porpoise'
300800000 'Seal'
300802000 'Bearded Seal'
300802020 'Young Bearded Seal'
300804000 'Fur Seal'
300806000 'Harbor Seal'
300807025 'Harp Seal'
300807030 'Hooded Seal'
300807050 'Ranger Seal'
300808000 'Ringed Seal'
300810000 'Ringed Seal'
300812000 'Spotted Seal'
301000000 'Sea Otter'
301200000 'Steller Sea Lion'
301400000 'Walrus'
301602000 'Belukha'
301606000 'Bowhead'
301608000 'Blue Whale'
301610000 'Bryde Whale'
301612000 'False Killer Whale'
301614000 'Fin Whale'
301616000 'Gray Whale'
301618000 'Humpback Whale'
301622000 'Minke (bottlenose)'
301628000 'notsure'
301630500 'Narwhale'
400000000 'Birds and Eggs'
410200000 'Ducks'
410204000 'Canvasback'
410206000 'Eider'
410206010 'Eider Down'
410206020 'Common Eider'
410206040 'King Eider'
410206060 'Spectacled Eider'
410206080 'Steller Eider'
410206990 'Unknown Eider'
410210000 'Goldeneye'
410210040 'Common Goldeneye'
410212000 'Harlequin'
410214000 'Mallard'
410216000 'Merganser'
410216020 'Common Merganser'
410216040 'Red-Breasted Merganser'
410216990 'Unknown Merganser'
410218000 'Long-tailed Duck (Oldsquaw)'
410220000 'Northern Pintail'
Scaup
Greater Scaup
Lesser Scaup
Unknown Scaup
Scoter
Black Scoter
Surf Scoter
White-winged Scoter
Unknown Scoter
Northern Shoveler
Teal
Green-Winged Teal
Wigeon
American Wigeon
Unknown Ducks
Geese
Brant
Canada Geese
Cacklers
Lesser Canada Geese (taverner/parvipes)
Ross s Goose
Unknown Canada Geese
Emperor Geese
Snow Geese
White-fronted Geese
Unknown Geese
Swan
Tundra Swan (whistling)
Crane
Sandhill Crane
Shorebirds
Common Snipe
Auklet
Crested Auklet
Least Auklet
Parakeet Auklet
Unknown Auklet
Cormorants
Pelagic Cormorant
Unknown Cormorant
Guillemot
Gulls
Glaucous Gull
Glaucous-Winged Gull
Mew Gull
Kittiwakes
Black Legged Kittiwake
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*frequencies variables=rescode.
compute percapr=rnd(percap).
*means tables=percap by rescode.
recode rescode (0, 100000000, 210000000, 220000000, 300000000, 400000000, 500000000, 
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410410000, 410600000, 411202040, 421804000, 500600000, 501000000, 501008000, 
501012000, 503400000 =1)(else=0) into aon_spp2.
select if (aon_spp2 eq 1).
variable labels aon_spp2 'aon resource categories and major species'.
value labels commcode
1 'Adak Station'
2 'Akhiok'
3 'Akiachak'
4 'Akiak'
5 'Akutan'
6 'Alakanuk'
7 'Alatna'
8 'Aleknagik'
9 'Alexander Creek'
10 'Allakaket/Alatna'
11 'Ambler'
12 'Anaktuvuk Pass'
13 'Anchor Point'
14 'Anchorage'
15 'Anderson'
16 'Angoon'
17 'Aniak'
18 'Anvik'
19 'Arctic Village'
20 'Atka'
21 'Atqasuk'
22 'Atmautluak'
23 'Balance of Aleutians West Census Area'
24 'Balance of Angoon Census Sub-Area'
25 'Balance of Aniak Census Sub-Area'
26 'Balance of Barrow-Point Hope Census Sub-Area'
27 'Balance of Bristol Bay Census Area'
28 'Balance of Copper River Census Sub-Area'
29 'Balance of Cordova Census Sub-Area'
30 'Balance of Dillingham Census Area'
31 'Balance of Eielson Reservation Census Sub-Area'
32 'Balance of Fairbanks North Star Census Sub-Area'
33 'Balance of Haines Census Area'
34 'Balance of Hoonah Census Sub-Area'
35 'Balance of Kenai-Cook Inlet Census Sub-Area'
36 'Balance of Ketchikan Census Area'
37 'Balance of Northwest Arctic Borough'
38 'Kodiak Road'
39 'Balance of Koyukuk-Middle Yukon Census Sub-Area'
40 'Balance of Lower Kuskokwim Census Sub-Area'
41 'Balance of Matanuska-Susitna Census Area'
42 'Balance of McGrath-Holy Cross Census Sub-Area'
43 'Balance of Nome Census Area'
44 'Balance of Outer Ketchikan Census Sub-Area'
45 'Balance of Petersburg Census Sub-Area'
46 'Balance of Prince of Wales Census Sub-Area'
47 'Balance of Prince William Sound Census Sub-Area'
48 'Balance of Prudhoe Bay-Kaktovik Census Sub-Area'
49 'Balance of Seward Census Sub-Area'
50 'Balance of Skagway Census Sub-Area'
51 'Balance of Southeast Fairbanks Census Area'
52 'Balance of Wade Hampton Census Sub-Area'
53 'Balance of Wrangell Census Sub-Area'
54 'Balance of Yukon Flats Census Sub-Area'
55 'Barrow'
56 'Beaver'
57 'Beluga'
59 'Bethel'
60 'Bettles/Evansville'
61 'Big Delta'
63 'Big Lake'
64 'Birch Creek'
66 'Butte Census Designated Place'
69 'Brevig Mission'
70 'Buckland'
72 'Campion Station'
74 'Cantwell'
75 'Cape Newenham Census Designated Place'
76 'Central'
77 'Chalkyitsik'
78 'Chase'
80 'Chefornak'
82 'Chenega'
83 'Chevak'
84 'Chickaloon'
142 'Gambell'
145 'Glennallen'
146 'Golovin'
147 'Goodnews Bay'
148 'Grayling'
149 'Gulkana'
150 'Gustavus'
151 'Haines'
152 'Halibut Cove'
153 'Harding Lake Census Designated Place'
154 'Healy'
155 'Healy Lake'
157 'Hollis'
158 'Holy Cross'
159 'Homer'
160 'Hoonah'
161 'Hooper Bay'
162 'Hope'
163 'Houston'
164 'Hughes'
165 'Huslia'
166 'Hydaburg'
167 'Hyder'
168 'Igiugig'
169 'Igloo'
170 'Iliamna'
171 'Indian Mountain Census Designated Place'
172 'Ivanof Bay'
173 'Jakolof Bay Census Designated Place'
174 'Juneau'
175 'Kachemak City'
176 'Kake'
177 'Kaktovik'
178 'Kalifonsky Census Designated Place'
179 'Kaltag'
180 'Karluke'
181 'Kasaan'
182 'Kasigluk'
183 'Kasilof'
184 'Kenai'
185 'Kenny Lake'
186 'Ketchikan'
187 'Kiana'
188 'King Cove'
189 'King Salmon'
190 'Kipnuk'
191 'Kivalina'
244 'Newtok'
245 'Nightmute'
246 'Nikiski'
247 'Nikolai'
248 'Nikolski'
249 'Ninilchik'
250 'Noatak'
251 'Nome'
252 'Nondalton'
253 'Noorvik'
254 'North Pole'
255 'North Wrangell Mountains'
256 'Northway'
257 'Nuiqsut'
258 'Nulato'
259 'Nunapitchuk'
260 'Old Harbor'
262 'Oscarville'
263 'Ouzinkie'
264 'Palmer'
265 'Paxson-Sourdough'
266 'Pedro Bay'
267 'Pelican'
268 'Perkinsville Census Designated Place'
269 'Perryville'
270 'Petersburg'
271 'Petersville Road'
272 'Pilot Point'
273 'Pilot Station'
274 'Pitkas Point'
275 'Platinum'
276 'Point Baker'
277 'Point Hope'
278 'Point Lay'
279 'Port Alexander'
280 'Port Alsworth'
281 'Port Clarence'
282 'Port Graham'
283 'Port Heiden'
284 'Port Lions'
287 'Portage Creek'
288 'Prudhoe Bay'
290 'Quinhagak'
291 'Rampart'
292 'Red Devil'
294 'Ruby city'
295 'Russian Mission'
344 'Thorne Bay'
345 'Togiak'
346 'Tok'
347 'Toksook Bay'
348 'Tonsina'
349 'Trapper Creek'
350 'Tuluksaq'
351 'Tuntutuliak'
352 'Tununak'
353 'Twin Hills'
354 'Two Rivers'
355 'Tyonek'
356 'Ugashik'
357 'Unalakleet'
358 'Unalaska'
359 'Upper Kalskag'
360 'Usibelli Mine'
362 'Valdez'
363 'Venetie'
364 'Wainwright'
365 'Wales'
366 'Wasilla'
367 'White Mountain'
369 'Whittier'
370 'Willow'
371 'Wiseman'
372 'Wrangell'
373 'Yakutat'
374 'Cape Pole'
375 'Coffman Cove'
376 'Whale Pass'
388 'Cape Lisburne'
402 'Chiniak'
413 'Crown Point'
414 'Cube Cove'
415 'Dora Bay'
416 'Dry Creek'
417 'Evansville'
418 'Eyak'
419 'Ferry'
420 'Fox River'
421 'Freshwater Bay'
422 'Game Creek Census Designated Place'
423 'Grouse Creek Group'
424 'Happy Valley'
425 'Hobart Bay'
426 'LaBouchere Bay'
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<td>'Sourdough'</td>
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<td>'Balance of Lake and Peninsula Borough'</td>
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<td>771</td>
<td>'Pilot Point/Ugashik'</td>
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</tbody>
</table>
772 'Copperville'
773 'Covenant Life Census Designated Place'.
*frequencies variables=commcode.

compute percapkg=(percap*0.45).
variable labels percapkg 'kilograms per capita of annual wildfood harvest'.
recode aon_place (missing eq 0)(else=1) into aon_flag.
variable labels aon_flag 'place identified with search_place code'.
select if (aon_flag eq 1).
save outfile='adfg\aon_sid_harvest_2.sav'
/rename=(name,adminname,subnation,nation=namelg,adminnamelg,subnationlg,nationlg).

file handle adfg /name='C:\Users\Jack\Documents\AON-HD\marine mammals'.
get file = 'adfg\aon_sid_harvest_2.sav'.
dataset name file5.
dataset activate file5.
dataset close file4.
sort cases by commcode, year, rescode.
string name(A50).
string adminname(A50).
string subnation(A50).
string nation(A50).
compute name=namelg.
compute adminname=adminnamelg.
compute subnation=subnationlg.
compute nation=nationlg.
*the following identifies records that duplicate commcode, year, rescode values and cause a duplicate key
message in the subsequent match files.
compute dupflag=0.
compute lagcomm= lag(commcode).
compute lagrescode= lag(rescode).
compute lagyear = lag(year).
if (lagcomm eq commcode and lagyear eq year and lagrescode eq rescode) dupflag=1.
*frequencies variables=dupflag.
*display variables.
*the following selects out records that are duplicates in commcode, year, and rescode by selecting the
apparently better of the two records.
compute droprec = 0.
variable labels droprec 'duplicate record by commcode, year, and rescode'.
value labels droprec 1 'worse of two duplicate records to be dropped'.
if (commcode eq 2 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 2 and year eq 2003 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 7 and year eq 2002 and rescode eq 0 and dupflag eq 1) droprec = 1.
if (commcode eq 16 and year eq 1996 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 16 and year eq 1996 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 18 and year eq 2002 and rescode eq 0 and dupflag eq 0) droprec = 1.
if (commcode eq 60 and year eq 2002 and rescode eq 0 and dupflag eq 0) droprec = 1.
if (commcode eq 82 and year eq 1997 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 82 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 82 and year eq 2003 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 86 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 88 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 104 and year eq 1997 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 104 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 104 and year eq 2003 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 106 and year eq 1997 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 106 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 129 and year eq 1997 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 129 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 129 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 129 and year eq 2003 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 148 and year eq 2002 and rescode eq 0 and dupflag eq 0) droprec = 1.
if (commcode eq 148 and year eq 2002 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 151 and year eq 1996 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 151 and year eq 1996 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 158 and year eq 2002 and rescode eq 0 and dupflag eq 0) droprec = 1.
if (commcode eq 158 and year eq 2002 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 160 and year eq 1996 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 160 and year eq 1996 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 165 and year eq 2002 and rescode eq 0 and dupflag eq 0) droprec = 1.
if (commcode eq 165 and year eq 2002 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 166 and year eq 1997 and rescode eq 300806000 and dupflag eq 0) droprec = 1.
if (commcode eq 166 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 166 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 166 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 176 and year eq 1996 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 192 and year eq 1997 and rescode eq 300806000 and dupflag eq 0) droprec = 1.
if (commcode eq 192 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 193 and year eq 1996 and rescode eq 300806000 and dupflag eq 0) droprec = 1.
if (commcode eq 193 and year eq 1996 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 210 and year eq 1997 and rescode eq 300806000 and dupflag eq 0) droprec = 1.
if (commcode eq 210 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 210 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 210 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 211 and year eq 2005 and rescode eq 300806000 and dupflag eq 0) droprec = 1.
if (commcode eq 211 and year eq 2005 and rescode eq 301200000 and dupflag eq 0) droprec = 1.
if (commcode eq 260 and year eq 1997 and rescode eq 300806000 and dupflag eq 0) droprec = 1.
if (commcode eq 260 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 260 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 260 and year eq 2003 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 263 and year eq 1997 and rescode eq 300806000 and dupflag eq 0) droprec = 1.
if (commcode eq 263 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 263 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 263 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 269 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 269 and year eq 2003 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 282 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 282 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 282 and year eq 2003 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 284 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 306 and year eq 2002 and rescode eq 300806000 and dupflag eq 0) droprec = 1.
if (commcode eq 313 and year eq 1996 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 313 and year eq 1996 and rescode eq 301200000 and dupflag eq 0) droprec = 1.
if (commcode eq 338 and year eq 1997 and rescode eq 300806000 and dupflag eq 0) droprec = 1.
if (commcode eq 338 and year eq 1997 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 338 and year eq 2003 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 338 and year eq 2003 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 352 and year eq 1986 and rescode eq 120200000 and dupflag eq 1) droprec = 1.
if (commcode eq 355 and year eq 2006 and rescode eq 300806000 and dupflag eq 1) droprec = 1.
if (commcode eq 355 and year eq 2006 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 373 and year eq 2000 and rescode eq 300806000 and dupflag eq 0) droprec = 1.
if (commcode eq 373 and year eq 2000 and rescode eq 301200000 and dupflag eq 1) droprec = 1.
if (commcode eq 465 and year eq 2002 and rescode eq 0 and dupflag eq 0) droprec = 1.
select if (droprec eq 0).
*t temporary.
* select if (dupflag eq 1).
* list commcode commname rescode year.
* the following are duplicate record eliminations from the previous set of adfg data - prior to 2001.
* if (commcode eq 177 and year eq 1986 and rescode eq 120000000 and percap ge 27) dupflag=1.
* if (commcode eq 352 and year eq 1986 and rescode eq 120200000 and percap ge 198) dupflag=1.
* if (commcode eq 2 and year eq 2003 and rescode eq 300806000 and numharv eq 4) dupflag=1.
* if (commcode eq 7 and year eq 2002 and rescode eq 0 and percap lt 50) dupflag=1.
* select if (dupflag eq 0).
save outfile='adfg\aon_sid_harvest_3.sav'
/keep=AON_place, year,admincode, adminname, nation, nationcode, subnation, subcode,commname, commcode, rescode, resource, numharv, percapkg, percap, adfgregion, subreg, fedregname, quad, wcregion, road, rural, fisharea, rescat, specialist, trying, hrvsting, used, giving, receiving, units, totlbhrv, convfact, xtotnum, xtotlbs, pm95pct.
get file='adfg\aon_sid_harvest_3.sav'.
dataset name file6.
dataset activate file6.
dataset close file5.
save outfile='adfg\aon_sid_harvest_4.sav'
/keep=commcode, year, commname, aon_place, admincode, adminname, nation, nationcode, subnation, bcode, rescode, percapkg.
execute.

get file ='adfg\aon_sid_harvest_4.sav'.
dataset name file7.
dataset activate file7.
dataset close file6.
temporary.
select if (rescode eq 0).
save outfile='adfg\aon_sid_harvest_0.sav'
/rename (percapkg=allresources).
temporary.
select if (rescode eq 100000000).
save outfile='adfg\aon_sid_harvest_100000000.sav'
/rename (percapkg=fish).
temporary.
select if (rescode eq 210000000).
save outfile='adfg\aon_sid_harvest_210000000.sav'
/rename (percapkg=largelandmammals).
temporary.
select if (rescode eq 220000000).
save outfile='adfg\aon_sid_harvest_220000000.sav'
/rename (percapkg=smalllandmammals).
temporary.
select if (rescode eq 300000000).
save outfile='adfg\aon_sid_harvest_300000000.sav'
/rename (percapkg=marinemammals).
temporary.
select if (rescode eq 400000000).
save outfile='adfg\aon_sid_harvest_400000000.sav'
/rename (percapkg=birdsandeggs).
temporary.
select if (rescode eq 500000000).
save outfile='adfg\aon_sid_harvest_500000000.sav'
/rename (percapkg=marineinvertebrates).
temporary.
select if (rescode eq 600000000).
save outfile='adfg\aon_sid_harvest_600000000.sav'
/rename (percapkg=vegetation).
temporary.
select if (rescode eq 601000000).
save outfile='adfg\aon_sid_harvest_601000000.sav'
/rename (percapkg=berries).
temporary.
select if (rescode eq 110000000).
save outfile = 'adfg\aon_sid_harvest_110000000.sav'
/rename (percapkg=Salmon).
temporary.
select if (rescode eq 111000000).
save outfile = 'adfg\aon_sid_harvest_111000000.sav'
/rename (percapkg=ChumSalmon).
temporary.
select if (rescode eq 112000000).
save outfile = 'adfg\aon_sid_harvest_112000000.sav'
/rename (percapkg=CohoSalmon).
temporary.
select if (rescode eq 113000000).
save outfile = 'adfg\aon_sid_harvest_113000000.sav'
/rename (percapkg=ChinookSalmon).
temporary.
save outfile = 'adfg\aon_sid_harvest_140000000.sav'
/rename (percapkg=PinkSalmon).
temporary.
save outfile = 'adfg\aon_sid_harvest_115000000.sav'
/rename (percapkg=SockeyeSalmon).
temporary.
save outfile = 'adfg\aon_sid_harvest_120000000.sav'
/rename (percapkg=NonSalmonFish).
temporary.
save outfile = 'adfg\aon_sid_harvest_120200000.sav'
/rename (percapkg=Herring).
temporary.
save outfile = 'adfg\aon_sid_harvest_120300000.sav'
/rename (percapkg=HerringRoe).
temporary.
save outfile = 'adfg\aon_sid_harvest_120306000.sav'
/rename (percapkg=HerringSpawnonKelp).
temporary.
save outfile = 'adfg\aon_sid_harvest_120400000.sav'
/rename (percapkg=Smelt).
temporary.
save outfile = 'adfg\aon_sid_harvest_120406000.sav'
/rename (percapkg=RainbowSmelt).
temporary.
save outfile = 'adfg\aon_sid_harvest_121000000.sav'
/rename (percapkg=Cod).
temporary.
save outfile = 'adfg\aon_sid_harvest_121008000.sav'
/rename (percapkg=PacificTomCod).
temporary.
save outfile = 'adfg\aon_sid_harvest_121010000.sav'
/rename (percapkg=SaffronCod).
temporary.
select if (rescode eq 124600000).
save outfile = 'adfg\aon_sid_harvest_124600000.sav'
/rename (percapkg=Blackfish).
temporary.
select if (rescode eq 124800000).
save outfile = 'adfg\aon_sid_harvest_124800000.sav'
/rename (percapkg=Burbot).
temporary.
select if (rescode eq 125000000).
save outfile = 'adfg\aon_sid_harvest_125000000.sav'
/rename (percapkg=Char).
temporary.
select if (rescode eq 125002000).
save outfile = 'adfg\aon_sid_harvest_125002000.sav'
/rename (percapkg=ArcticChar).
temporary.
select if (rescode eq 125006000).
save outfile = 'adfg\aon_sid_harvest_125006000.sav'
/rename (percapkg=DollyVarden).
temporary.
select if (rescode eq 125010000).
save outfile = 'adfg\aon_sid_harvest_125010000.sav'
/rename (percapkg=LakeTrout).
temporary.
select if (rescode eq 125200000).
save outfile = 'adfg\aon_sid_harvest_125200000.sav'
/rename (percapkg=Grayling).
temporary.
select if (rescode eq 125400000).
save outfile = 'adfg\aon_sid_harvest_125400000.sav'
/rename (percapkg=Pike).
temporary.
select if (rescode eq 126200000).
save outfile = 'adfg\aon_sid_harvest_126200000.sav'
/rename (percapkg=Trout).
temporary.
select if (rescode eq 126400000).
save outfile = 'adfg\aon_sid_harvest_126400000.sav'
/rename (percapkg=Whitefish).
temporary.
select if (rescode eq 126404000).
save outfile = 'adfg\aon_sid_harvest_126404000.sav'
/rename (percapkg=BroadWhitefish).
temporary.
select if (rescode eq 126406000).
save outfile = 'adfg\aon_sid_harvest_126406000.sav'
/rename (percapkg=Cisco).
temporary.
select if (rescode eq 126406020).
save outfile = 'adfg\aon_sid_harvest_126406020.sav'
/rename (percapkg=ArcticCisco).
temporary.
select if (rescode eq 126406040).
save outfile = 'adfg\aon_sid_harvest_126406040.sav'
/rename (percapkg=BeringCisco).
temporary.
select if (rescode eq 126406060).
save outfile = 'adfg\aon_sid_harvest_126406060.sav'
/rename (percapkg=LeastCisco).
temporary.
select if (rescode eq 126408000).
save outfile = 'adfg\aon_sid_harvest_126408000.sav'
/rename (percapkg=HumpbackWhitefish).
temporary.
select if (rescode eq 126412000).
save outfile = 'adfg\aon_sid_harvest_126412000.sav'
/rename (percapkg=RoundWhitefish).
execute.

get file="adfg\aon_sid_harvest_0.sav".
dataset name file8.
dataset activate file8.
dataset close file7.
match files
/file=*  
/file = 'adfg\aon_sid_harvest_100000000.sav'
/file = 'adfg\aon_sid_harvest_200000000.sav'
/file = 'adfg\aon_sid_harvest_210000000.sav'
/file = 'adfg\aon_sid_harvest_220000000.sav'
/file = 'adfg\aon_sid_harvest_300000000.sav'
/file = 'adfg\aon_sid_harvest_400000000.sav'
/file = 'adfg\aon_sid_harvest_500000000.sav'
/file = 'adfg\aon_sid_harvest_600000000.sav'
/file = 'adfg\aon_sid_harvest_601000000.sav'
/file = 'adfg\aon_sid_harvest_110000000.sav'
/file = 'adfg\aon_sid_harvest_111000000.sav'
/file = 'adfg\aon_sid_harvest_112000000.sav'
/file = 'adfg\aon_sid_harvest_113000000.sav'
/file = 'adfg\aon_sid_harvest_114000000.sav'
/file = 'adfg\aon_sid_harvest_115000000.sav'
/file = 'adfg\aon_sid_harvest_120000000.sav'
/file = 'adfg\aon_sid_harvest_120200000.sav'
/file = 'adfg\aon_sid_harvest_120300000.sav'
/file = 'adfg\aon_sid_harvest_120305000.sav'
/file = 'adfg\aon_sid_harvest_120306000.sav'
by commcode, year.
print formats allresources, fish, largelandmammals, smalllandmammals, marinemammals, birdsandeggs, marineinvertebrates, vegetation, berries, Salmon, ChumSalmon, CohoSalmon, ChinookSalmon, PinkSalmon, SockeyeSalmon, NonSalmonFish, Herring, HerringRoe, HerringSpawnonKelp, Smelt, RainbowSmelt, Cod, PacificTomCod, SaffronCod, Blackfish, Burbot, Char, ArcticChar, DollyVarden, LakeTrout, Grayling, Pike, Trout, Whitefish, BroadWhitefish, Cisco, ArcticCisco, BeringCisco, LeastCisco, HumpbackWhitefish, RoundWhitefish (f8.2).
save outfile='adfg\aon_sid_harvest_part1.sav'.
dataset name file9.
get file = 'adfg\aon_sid_harvest_4.sav'.
dataset name file7.
dataset activate file7.
dataset close file8.
dataset close file9.
temporary.
select if (rescode eq 210600000).
save outfile = 'adfg\aon_sid_harvest_210600000.sav'
/rename (percapkg=BlackBear).
temporary.
select if (rescode eq 211000000).
save outfile = 'adfg\aon_sid_harvest_211000000.sav'
/rename (percapkg=Caribou).
temporary.
select if (rescode eq 211800000).
```plaintext
save outfile = 'adfg\aon_sid_harvest_211800000.sav'
rename (percapkg=Moose).

temporary.
select if (rescode eq 212000000).
save outfile = 'adfg\aon_sid_harvest_212000000.sav'
rename (percapkg=Muskox).

temporary.
select if (rescode eq 212200000).
save outfile = 'adfg\aon_sid_harvest_212200000.sav'
rename (percapkg=DallsSheep).

temporary.
select if (rescode eq 220200000).
save outfile = 'adfg\aon_sid_harvest_220200000.sav'
rename (percapkg=Beaver).

temporary.
select if (rescode eq 221000000).
save outfile = 'adfg\aon_sid_harvest_221000000.sav'
rename (percapkg=Hare).

temporary.
select if (rescode eq 300400000).
save outfile = 'adfg\aon_sid_harvest_300400000.sav'
rename (percapkg=PolarBear).

temporary.
select if (rescode eq 300600000).
save outfile = 'adfg\aon_sid_harvest_300600000.sav'
rename (percapkg=Porpoise).

temporary.
select if (rescode eq 300602000).
save outfile = 'adfg\aon_sid_harvest_300602000.sav'
rename (percapkg=DallPorpoise).

temporary.
select if (rescode eq 300800000).
save outfile = 'adfg\aon_sid_harvest_300800000.sav'
rename (percapkg=Seal).

temporary.
select if (rescode eq 300802000).
save outfile = 'adfg\aon_sid_harvest_300802000.sav'
rename (percapkg=BeardedSeal).

temporary.
select if (rescode eq 300802020).
save outfile = 'adfg\aon_sid_harvest_300802020.sav'
rename (percapkg=YoungBeardedSeal).

temporary.
select if (rescode eq 300804000).
save outfile = 'adfg\aon_sid_harvest_300804000.sav'
rename (percapkg=FurSeal).
```

select if (rescode eq 300806000).
save outfile = 'adfg\aon_sid_harvest_300806000.sav'
/rename (percapkg=HarborSeal).
temporary.
select if (rescode eq 300808000).
save outfile = 'adfg\aon_sid_harvest_300808000.sav'
/rename (percapkg=RibbonSeal).
temporary.
select if (rescode eq 300810000).
save outfile = 'adfg\aon_sid_harvest_300810000.sav'
/rename (percapkg=RingedSeal).
temporary.
select if (rescode eq 300812000).
save outfile = 'adfg\aon_sid_harvest_300812000.sav'
/rename (percapkg=SpottedSeal).
temporary.
select if (rescode eq 301200000).
save outfile = 'adfg\aon_sid_harvest_301200000.sav'
/rename (percapkg=StellerSeaLion).
temporary.
select if (rescode eq 301400000).
save outfile = 'adfg\aon_sid_harvest_301400000.sav'
/rename (percapkg=Walrus).
temporary.
select if (rescode eq 301602000).
save outfile = 'adfg\aon_sid_harvest_301602000.sav'
/rename (percapkg=Belukha).
temporary.
select if (rescode eq 301606000).
save outfile = 'adfg\aon_sid_harvest_301606000.sav'
/rename (percapkg=Bowhead).
temporary.
select if (rescode eq 301608000).
save outfile = 'adfg\aon_sid_harvest_301608000.sav'
/rename (percapkg=BlueWhale).
temporary.
select if (rescode eq 301618000).
save outfile = 'adfg\aon_sid_harvest_301618000.sav'
/rename (percapkg=HumpbackWhale).
temporary.
select if (rescode eq 301622000).
save outfile = 'adfg\aon_sid_harvest_301622000.sav'
/rename (percapkg=Minke).
temporary.
select if (rescode eq 410200000).
save outfile = 'adfg\aon_sid_harvest_410200000.sav'
/rename (percapkg=Ducks).
temporary.
select if (rescode eq 410206000).
save outfile = 'adfg\aon_sid_harvest_410206000.sav'
/rename (percapkg=Eider).
temporary.
select if (rescode eq 410214000).
save outfile = 'adfg\aon_sid_harvest_410214000.sav'
/rename (percapkg=Mallard).
temporary.
select if (rescode eq 410218000).
save outfile = 'adfg\aon_sid_harvest_410218000.sav'
/rename (percapkg=Oldsquaw).
temporary.
select if (rescode eq 410220000).
save outfile = 'adfg\aon_sid_harvest_410220000.sav'
/rename (percapkg=Pintail).
temporary.
select if (rescode eq 410228000).
save outfile = 'adfg\aon_sid_harvest_410228000.sav'
/rename (percapkg=Scoter).
temporary.
select if (rescode eq 410236000).
save outfile = 'adfg\aon_sid_harvest_410236000.sav'
/rename (percapkg=Wigeon).
temporary.
select if (rescode eq 410400000).
save outfile = 'adfg\aon_sid_harvest_410400000.sav'
/rename (percapkg=Geese).
temporary.
select if (rescode eq 410402000).
save outfile = 'adfg\aon_sid_harvest_410402000.sav'
/rename (percapkg=Brant).
temporary.
select if (rescode eq 410404000).
save outfile = 'adfg\aon_sid_harvest_410404000.sav'
/rename (percapkg=CanadaGoose).
temporary.
select if (rescode eq 410408000).
save outfile = 'adfg\aon_sid_harvest_410408000.sav'
/rename (percapkg=SnowGoose).
temporary.
select if (rescode eq 410410000).
save outfile = 'adfg\aon_sid_harvest_410410000.sav'
/rename (percapkg=WhiteFrontedGoose).
temporary.
select if (rescode eq 410600000).
save outfile = 'adfg\aon_sid_harvest_410600000.sav'
rename (percapkg=Swan).
temporary.
select if (rescode eq 411202040).
save outfile = 'adfg\aon_sid_harvest_411202040.sav'
rename (percapkg=CrestedAuklet).
temporary.
select if (rescode eq 421804000).
save outfile = 'adfg\aon_sid_harvest_421804000.sav'
rename (percapkg=Ptarmigan).
temporary.
select if (rescode eq 500600000).
save outfile = 'adfg\aon_sid_harvest_500600000.sav'
rename (percapkg=Clams).
temporary.
select if (rescode eq 501000000).
save outfile = 'adfg\aon_sid_harvest_501000000.sav'
rename (percapkg=Crabs).
temporary.
select if (rescode eq 501008000).
save outfile = 'adfg\aon_sid_harvest_501008000.sav'
rename (percapkg=KingCrab).
temporary.
select if (rescode eq 501012000).
save outfile = 'adfg\aon_sid_harvest_501012000.sav'
rename (percapkg=TannerCrab).
temporary.
select if (rescode eq 503400000).
save outfile = 'adfg\aon_sid_harvest_503400000.sav'
rename (percapkg=Shrimp).
execute.

get file = 'adfg\aon_sid_harvest_210600000.sav'.
dataset name file10.
dataset activate file10.
dataset close file7.
match files
file=* 
/file = 'adfg\aon_sid_harvest_211000000.sav' 
/file = 'adfg\aon_sid_harvest_211800000.sav' 
/file = 'adfg\aon_sid_harvest_212000000.sav' 
/file = 'adfg\aon_sid_harvest_212200000.sav' 
/file = 'adfg\aon_sid_harvest_220200000.sav' 
/file = 'adfg\aon_sid_harvest_221000000.sav' 
/file = 'adfg\aon_sid_harvest_300400000.sav' 
/file = 'adfg\aon_sid_harvest_300600000.sav' 
/file = 'adfg\aon_sid_harvest_300602000.sav'
by commcode, year.

print formats BlackBear, Caribou, Moose, Muskox, DallsSheep, Beaver, Hare, PolarBear, Porpoise, DallPorpoise, Seal, BeardedSeal, YoungBeardedSeal, FurSeal, HarborSeal, RibbonSeal, RingedSeal, SpottedSeal, StellerSeaLion, Walrus, Belukha, Bowhead, BlueWhale, HumpbackWhale, Minke, Ducks, Eider, Mallard, Oldsquaw, Pintail, Scoter, Wigeon, Geese, Brant, CanadaGoose, SnowGoose, WhiteFrontedGoose, Swan, CrestedAuklet, Ptarmigan, Clams, Crabs, KingCrab, TannerCrab, Shrimp (f8.:

save outfile = 'adfg\aon_sid_harvest_part2.sav'.

dataset name file11.

get file = 'adfg\aon_sid_harvest_part1.sav'.

dataset name file9.

dataset activate file9.
match files
file=* 
/file='adfg\aon_sid_harvest_part2.sav'
/by commcode, year.
string name(A50).
compute name=commname.
rename variables (aon_place = search_place).
save outfile='adfg\aon_sid_harvest_all.sav'
/save=name, search_place, year, admincode, adminname, nation, nationcode, subnation, subcode, allresources, fish, largelandmammals, smalllandmammals, marinemammals, birdsandeggs, marineinvertebrates, vegetation, berries, Salmon, ChumSalmon, CohoSalmon, ChinookSalmon, PinkSalmon, SockeyeSalmon, NonSalmonFish, Herring, HerringRoe, HerringSpawnNonKelp, Smelt, RainbowSmelt, Cod, PacificTomCod, SaffronCod, Blackfish, Burbot, Char, ArcticChar, DollyVarden, LakeTrout, Grayling, Pike, Trout, Whitefish, BroadWhitefish, Cisco, ArcticCisco, BeringCisco, LeastCisco, HumpbackWhitefish, RoundWhitefish, BlackBear, Caribou, Moose, Muskox, DallsSheep, Beaver, Hare, PolarBear, Porpoise, DallPorpoise, Seal, BeardedSeal, YoungBeardedSeal, FurSeal, HarborSeal, RibbonSeal, RingedSeal, SpottedSeal, StellerSeaLion, Walrus, Belukha, Bowhead, BlueWhale, HumpbackWhale, Minke, Ducks, Eider, Mallard, Oldsquaw, Pintail, Scoter, Wigeon, Geese, Brant, CanadaGoose, SnowGoose, WhiteFrontedGoose, Swans, CrestedAuklet, Ptarmigan, Clams, Crabs, KingCrab, TannerCrab, Shrimp.
dataset close file11.
dataset close file9.

*note this was an attempt to use a file provided by Stephanie Martin from Jim Magdanz and it is superceded by the file from Dave Koster above.
*file handle adfg /name='C:\Users\Jack\Documents\AON-HD\marine mammals'.
*get file='adfg\stephanie\adfg.sav'.
*select if (rescode eq 0 and year ge 2000).
*compute allresources=percap*(0.45).
*variable labels allresources 'all resources kg per capita'.
*sort cases by commcode, year.
*save outfile= 'adfg\stephanie\allresources.sav'
/save=commcode, year, allresources.
*get file='adfg\stephanie\allresources.sav'.

*this was an attempt to use a file provided by Stephanie Martin from Jim Magdanz and it is superceded b the file from Dave Koster above.
*note that it is not appropriate to calculate summary values for resource categories as in some cases the data are not part of a comprehensive survey.
*get file= 'adfg\stephanie\ADFG_AON1.sav'
/ rename= (fish, LargeLandMammals, smalllandmammals, marinemammals, birdsandeggs, marineinvertebrates, vegetation, Berries, ChumSalmon, CohoSalmon, ChinookSalmon, PinkSalmon, SockeyeSalmon, UnknownSalmon, NonSalmonFish, Herring, HerringSpawnNonKelp, Smelt, UnknownSmelt, PacificTomCod Flounder, UnknownFlounder, UnknownSculpin, Blackfish, Burbot, ArcticChar, DollyVarden, LakeTrout, Grayling, Pike, Sucker, BroadWhitefish, Cisco, BeringCisco, LeastCisco, HumpbackWhitefish, RoundWhitefish, UnknownWhitefish, UnknownNonSalmonFish, BlackBear, BrownBear, Caribou, Moose,
Dall Sheep, Beaver, Snowshoe Hare, Marmot, Muskrat, Parka Squirrel, Porpoise, Harbor Seal, Spotted Seal, Sea Otter, Steller Sea Lion, Canvasback, Common Eider, King Eider, Common Goldeneye, Harlequin, Mallard, Common Merganser, Red Breasted Merganser, Longtailed Duck Old Squaw, Northern Pintail, Greater Scaup, Lesser Scaup, Black Scoter, Surf Scoter, Whiskered Scoter, Unknown Scoter, Northern Shoveler, Green Winged Teal, American Wigeon, Unknown Ducks, Brant, Lesser Canada Goose, Unknown Canada Goose, Emperor Goose, Snow Goose, Whitefronted Goose, Unknown Goose, Tundra Swan, Sandhill Crane, Common Snipe, Parakeet Auklet, Unknown Loon, Grouse, Ptarmigan, Mallard Eggs, Whitefronted Goose Eggs, Herring Gull Eggs, Unknown Gull Eggs, Tern Eggs, Pink Necked Clams, Razor Clams, Unknown Clams, King Crab, Unknown King Crab, Unknown Tanner Crab, Shrimp, Whelk, Plants Greens Mushrooms =

Fish lbs, Large Land Mammals lbs, Small Land Mammals lbs, Marine Mammals lbs, Birds and Eggs lbs, Marine Invertebrates lbs, Vegetation lbs, Berries lbs, Chum Salmon lbs, Coho Salmon lbs, Chinook Salmon lbs, Pink Salmon lbs, Sockeye Salmon lbs, Unknown Salmon lbs, Non Salmon Fish lbs, Herring lbs, Herring Spawning Kelp lbs, Smelt lbs, Unknown Smelt lbs, Pacific Tom Cod lbs, Flounder lbs, Unknown Flounder lbs, Unknown Sculpin lbs, Blackfish lbs, Burbot lbs, Arctic Char lbs, Dolly Varden lbs, Lake Trout lbs, Grayling lbs, Pike lbs, Sucker lbs, Broad Whitefish lbs, Ciscos lbs, Bering Ciscos lbs, Least Ciscos lbs, Humpback Whitefish lbs, Round Whitefish lbs, Unknown Whitefish lbs, Unknown Non Salmon Fish lbs, Black Bear lbs, Caribou lbs, Moose lbs, Dall Sheep lbs, Beaver lbs, Snowshoe Hare lbs, Marmot lbs, Muskrat lbs, Parka Squirrel lbs, Porpoise lbs, Harbor Seal lbs, Spotted Seal lbs, Sea Otter lbs, Steller Sea Lion lbs, Canvasback lbs, Common Eider lbs, King Eider lbs, Common Goldeneye lbs, Harlequin lbs, Mallard lbs, Common Merganser lbs, Red Breasted Merganser lbs, Longtailed Duck Old Squaw lbs, Northern Pintail lbs, Greater Scaup lbs, Lesser Scaup lbs, Black Scoter lbs, Surf Scoter lbs, Whiskered Scoter lbs, Unknown Scoter lbs, Northern Shoveler lbs, Green Winged Teal lbs, American Wigeon lbs, Unknown Ducks lbs, Brant lbs, Lesser Canada Goose lbs, Unknown Canada Goose lbs, Emperor Goose lbs, Snow Goose lbs, Whitefronted Goose lbs, Unknown Goose lbs, Tundra Swan lbs, Sandhill Crane lbs, Common Snipe lbs, Parakeet Auklet lbs, Unknown Loon lbs, Grouse lbs, Ptarmigan lbs, Mallard Eggs lbs, Whitefronted Goose Eggs lbs, Herring Gull Eggs lbs, Unknown Gull Eggs lbs, Tern Eggs lbs, Pink Necked Clams lbs, Razor Clams lbs, Unknown Clams lbs, King Crab lbs, Unknown King Crab lbs, Unknown Tanner Crab lbs, Shrimp lbs, Whelk lbs, Plants Greens Mushrooms lbs.

*compute all resources lbs = sum (fish lbs, Large Land Mammals lbs, Small Land Mammals lbs, Marine Mammals lbs, Birds and Eggs lbs, Marine Invertebrates lbs, Vegetation lbs).

*select if (all resources lbs > 0).

*do repeat

xvar = fish lbs, Large Land Mammals lbs, Small Land Mammals lbs, Marine Mammals lbs, Birds and Eggs lbs, Marine Invertebrates lbs, Vegetation lbs, Berries lbs, Chum Salmon lbs, Coho Salmon lbs, Chinook Salmon lbs, Pink Salmon lbs, Sockeye Salmon lbs, Unknown Salmon lbs, Non Salmon Fish lbs, Herring lbs, Herring Spawning Kelp lbs, Smelt lbs, Unknown Smelt lbs, Pacific Tom Cod lbs, Flounder lbs, Unknown Flounder lbs, Unknown Sculpin lbs, Blackfish lbs, Burbot lbs, Arctic Char lbs, Dolly Varden lbs, Lake Trout lbs, Grayling lbs, Pike lbs, Sucker lbs, Broad Whitefish lbs, Ciscos lbs, Bering Ciscos lbs, Least Ciscos lbs, Humpback Whitefish lbs, Round Whitefish lbs, Unknown Whitefish lbs, Unknown Non Salmon Fish lbs, Black Bear lbs, Caribou lbs, Moose lbs, Dall Sheep lbs, Beaver lbs, Snowshoe Hare lbs, Marmot lbs, Muskrat lbs, Parka Squirrel lbs, Porpoise lbs, Harbor Seal lbs, Spotted Seal lbs, Sea Otter lbs, Steller Sea Lion lbs, Canvasback lbs, Common Eider lbs, King Eider lbs, Common Goldeneye lbs, Harlequin lbs, Mallard lbs, Common Merganser lbs, Red Breasted Merganser lbs, Longtailed Duck Old Squaw lbs, Northern Pintail lbs, Greater Scaup lbs, Lesser Scaup lbs, Black Scoter lbs, Surf Scoter lbs, Whiskered Scoter lbs, Unknown Scoter lbs, Northern Shoveler lbs, Green Winged Teal lbs, American Wigeon lbs, Unknown Ducks lbs, Brant lbs, Lesser Canada Goose lbs, Unknown Canada Goose lbs, Emperor Goose lbs, Snow Goose lbs, Whitefronted Goose lbs, Unknown Goose lbs, Tundra Swan lbs, Sandhill Crane lbs, Common Snipe lbs, Parakeet Auklet lbs, Unknown Loon lbs, Grouse lbs, Ptarmigan lbs, Mallard Eggs lbs, Whitefronted Goose Eggs lbs, Herring Gull Eggs lbs, Unknown Gull Eggs lbs, Tern Eggs lbs, Pink Necked Clams lbs, Razor Clams lbs, Unknown Clams lbs, King Crab lbs, Unknown King Crab lbs, Unknown Tanner Crab lbs, Shrimp lbs, Whelk lbs, Plants Greens Mushrooms lbs. 
Geeselbs, WhitefrontedGeeselbs, UnknownGeeselbs, TundraSwanlbs, SandhillCranelbs, CommonSnipelbs, ParakeetAukletlbs, UnknownLoonlbs, Grouselbs, Ptarmiganlbs, MallardEggslbs, WhitefrontedGeeseEggs, HerringGullEggslbs, UnknownGullEggslbs, TernEggslbs, PinkneckClamslbs, RazorClamslbs, UnknownClamslbs, KingCrablbs, UnknownKingCrablbs, UnknownTannerCrablbs, Shrimplbs, Whelklbs, PlantsGreensMushroomslbs

*yvar=xvar*(0.45).
*end repeat.
*compute salmon=sum(ChumSalmon, CohoSalmon, ChinookSalmon, PinkSalmon, SockeyeSalmon, UnknownSalmon).
*recode fish, LargeLandMammals, smalllandmammals, marinemammals, birdsandeggs, marineinvertebrates, vegetation (lo thru hi=1) into fishdat, LargeLandMammalsdat, smalllandmammalsdat, marinemammalsdat, birdsandeggsdat, marineinvertebratesdat, vegetationdat.
*count numresources=fishdat, LargeLandMammalsdat, smalllandmammalsdat, marinemammalsdat, birdsandeggsdat, marineinvertebratesdat, vegetationdat(1).
*do if (numresources ge 3).
*compute allresources=sum(fish, LargeLandMammals, smalllandmammals, marinemammals, birdsandeggs, marineinvertebrates, vegetation).
*end if.
*variable labels
fish ‘fish kg per capita’
LargeLandMammals ‘LargeLandMammals kg per capita’
smalllandmammals ‘smalllandmammals kg per capita’
marinemammals ‘marinemammals kg per capita’
birdsandeggs ‘birdsandeggs kg per capita’
marineinvertebrates ‘marineinvertebrates kg per capita’
vegetation ‘vegetation kg per capita’
Berries ‘Berries kg per capita’
ChumSalmon ‘ChumSalmon kg per capita’
CohoSalmon ‘CohoSalmon kg per capita’
ChinookSalmon ‘ChinookSalmon kg per capita’
Harlequin 'Harlequin kg per capita'
Mallard 'Mallard kg per capita'
CommonMerganser 'CommonMerganser kg per capita'
RedBreastedMerganser 'RedBreastedMerganser kg per capita'
LongtailedDuckOldsquaw 'LongtailedDuckOldsquaw kg per capita'
NorthernPintail 'NorthernPintail kg per capita'
GreaterScaup 'GreaterScaup kg per capita'
LesserScaup 'LesserScaup kg per capita'
UnknownScaup 'UnknownScaup kg per capita'
BlackScoter 'BlackScoter kg per capita'
SurfScoter 'SurfScoter kg per capita'
WhitewingScoter 'WhitewingScoter kg per capita'
UnknownScoter 'UnknownScoter kg per capita'
NorthernShoveler 'NorthernShoveler kg per capita'
GreenWingedTeal 'GreenWingedTeal kg per capita'
AmericanWigeon 'AmericanWigeon kg per capita'
UnknownDucks 'UnknownDucks kg per capita'
Brant 'Brant kg per capita'
LesserCanadaGeese 'LesserCanadaGeese kg per capita'
UnknownCanadaGeese 'UnknownCanadaGeese kg per capita'
EmperorGeese 'EmperorGeese kg per capita'
SnowGeese 'SnowGeese kg per capita'
WhitefrontedGeese 'WhitefrontedGeese kg per capita'
UnknownGeese 'UnknownGeese kg per capita'
TundraSwan 'TundraSwan kg per capita'
SandhillCrane 'SandhillCrane kg per capita'
CommonSnipe 'CommonSnipe kg per capita'
ParakeetAuklet 'ParakeetAuklet kg per capita'
UnknownLoon 'UnknownLoon kg per capita'
Grouse 'Grouse kg per capita'
Ptarmigan 'Ptarmigan kg per capita'
MallardEggs 'MallardEggs kg per capita'
WhitefrontedGeeseEggs 'WhitefrontedGeeseEggs kg per capita'
HerringGullEggs 'HerringGullEggs kg per capita'
UnknownGullEggs 'UnknownGullEggs kg per capita'
TernEggs 'TernEggs kg per capita'
PinkneckClams 'PinkneckClams kg per capita'
RazorClams 'RazorClams kg per capita'
UnknownClams 'UnknownClams kg per capita'
KingCrab 'KingCrab kg per capita'
UnknownKingCrab 'UnknownKingCrab kg per capita'
UnknownTannerCrab 'UnknownTannerCrab kg per capita'
Shrimp 'Shrimp kg per capita'
Whelk 'Whelk kg per capita'
PlantsGreensMushrooms 'PlantsGreensMushrooms kg per capita'
salmon 'Salmon kg per capita'
allresources 'All Resources kg per capita'.
*string name(a50).
*compute name=commname.
*sort cases by commcode, year.
*save outfile='adfg\adfg_aon1_kg.sav'
/keep=name,commcode,year,allresources,fish, LargeLandMammals, smalllandmammals, marinemammama
birdsandeggs, marineinvertebrates, vegetation, Berries, Salmon, ChumSalmon, CohoSalmon, ChinookSa
n, PinkSalmon, SockeyeSalmon, UnknownSalmon, NonSalmonFish, Herring, HerringSpawnonKelp, Smel
UnknownSmelt, PacificTomCod, Flounder, UnknownFlounder, UnknownSculpin, Blackfish, Burbot,
ArcticChar, DollyVarden, LakeTrout, Grayling, Pike, Sucker, BroadWhitefish, Cisco, BeringCisco,
LeastCisco, HumpbackWhitefish, RoundWhitefish, UnknownWhitefish, UnknownNonSalmonFish,
BlackBear, BrownBear, Caribou, Moose, DallSheep, Beaver, SnowshoeHare, Marmot, Muskrat,
Parksquirrel, Porpoise, HarborSeal, SpottedSeal, SeaOtter, StellerSeaLion, Canvasback, CommonEider,
KingEider, CommonGoldeneye, Harlequin, Mallard, CommonMerganser, RedBreastedMerganser,
LongtailedDuckOldsquaw, NorthernPintail, GreaterScaup, LesserScaup, UnknownScaup, BlackScoter,
SurfScoter, WhitewingedScoter, UnknownScoter, NorthernShoveler, GreenWingedTeal, AmericanWigeon
UnknownDucks, Brant, LesserCanadaGeese, UnknownCanadaGeese, EmperorGeese, SnowGeese,
WhitefrontedGeese, UnknownGeese, TundraSwan, SandhillCrane, CommonSnipe, ParakeetAuklet,
UnknownLoon, Grouse, Ptarmigan, MallardEggs, WhitefrontedGeeseEggs, HerringGullEggs,
UnknownGullEggs, TernEggs, PinkneckClams, RazorClams, UnknownClams, KingCrab, UnknownKingCr
UnknownTannerCrab, Shrimp, Whelk, PlantsGreensMushrooms.
*get file='adfg\adfg_aon1_kg.sav'.

*display variables.

get file='adfg\aon_sid_harvest_all.sav'.
dataset name file12.
dataset activate file12.
add files
file=*
/file='adfg\aon_sid_harvest_all.sav'
/file= 'C:\Users\Jack\Documents\AON-HD\marine mammals\Nunavut\Data Processing\nunavut3.sav'
/file= 'C:\Users\Jack\Documents\AON-HD\marine mammals\Nunavik\unavik_harvest_all1.sav'.
compute regioncode=admincode.
variable labels regioncode 'aon hybrid region unique code'.
select if (search_place gt 0).
sort cases by search_place,year.
into yeargp.
variable labels yeargp 'decade of observation'.
value labels yeargp 1 '1960s' 2 '1970s' 3 '1980s' 4 '1990s' 5 '2000s'.
value labels decade 1 'before 1980' 2 '1980-89' 3 '1990-99' 4 '2000-07'.
recode allresources (missing,0=0)(1 thru hi=1) into allresourcey.
variable labels allresourcey 'record includes all resources kilograms per capita'.
*frequencies variables=yeargp,allresourcey.
*means tables=allresources by name.
save outfile='adfg\aon_AKCA_harvest.sav'
/rename=(search_place=aon_place).
get file='adfg\aon_AKCA_harvest.sav'.
dataset name file14.
dataset activate file14.
dataset close file12.

get file='C:\Users\Jack\Documents\AON-HD\Database\akcalatlong.sav'.
dataset name file40.
dataset activate file40.
dataset close file14.
sort cases by aon_place.
save outfile='C:\Users\Jack\Documents\AON-HD\Database\akcalatlong2.sav'.

get file='adfg\aon_AKCA_harvest.sav'.
dataset name file14.
dataset activate file14.
*display variables.
match files
 file=* 
in=subdata 
/table='C:\Users\Jack\Documents\AON-HD\Database\akcalatlong2.sav' 
in=geodata 
/by aon_place.
count bothdata=subdata,geodata(1).
*frequencies variables=bothdata.
*display variables.
sort cases by aon_place,year(d).
compute lagplace= lag(aon_place).
compute lagdecade = lag(decade).
compute lagallresourcey = lag(allresourcey).
if (decade eq 3 and allresourcey eq 1) latestyr90=1.
do if (lagplace eq aon_place and lagdecade eq 3 and lagallresourcey eq 1). 
compute latestyr90=0.
end if.
variable labels latestyr90 'latest year of comprehensive harvest survey in the 1990s'.
*frequencies variables=latestyr90.
if (decade eq 4 and allresourcey eq 1) latestyr00=1.
do if (lagplace eq aon_place and lagdecade eq 4 and lagallresourcey eq 1). 
compute latestyr00=0.
end if.
variable labels latestyr00 'latest year of comprehensive harvest survey in the 2000s'.
*frequencies variables=latestyr00.
sort cases by aon_place, year(a).
compute lagplace= lag(aon_place).
compute lagdecade = lag(decade).
compute lagallresourcey = lag(allresourcey).
if (decade eq 2 and allresourcey eq 1) earliestyr80=1.
do if (lagplace eq aon_place and lagdecade eq 2 and lagallresourcey eq 1).
compute earliestyr80=0.
end if.
variable labels earliestyr80 'earliest year of comprehensive harvest survey in the 1980s'.
*frequencies variables=earliestyr80.
if (decade eq 1 and allresourcey eq 1) earliestyr70=1.
do if (lagplace eq aon_place and lagdecade eq 1 and lagallresourcey eq 1).
compute earliestyr70=0.
end if.
variable labels earliestyr70 'earliest year of comprehensive harvest survey in the 1970s'.
*frequencies variables=earliestyr70.
save outfile='adfg\aon_AKCA_harvest_all.sav'
/keep=name, aon_place, year, latitude,longitude, admincode, adminname, nation, nationcode, subnation, bcode, regioncode, yeargp, decade, latestyr00, latestyr90, earliestyr80, earliestyr70, allresourcey, latitude, longitude, subdata, geodata, bothdata, commpop, allresources, fish, largelandmammals, smalllandmammals, marine mammals, birdsandeggs, marine invertebrates, vegetation, berries, Salmon, ChumSalmon, CohoSalmon, ChinookSalmon, PinkSalmon, SockeyeSalmon, Sculpin, Turbot, Oceanfishunspec, NonSalmonFish, Herring, HerringRoe, HerringSpawnonKelp, Smelt, RainbowSmelt, CoPacificTomCod, SaffronCod, Blackfish, Burbot, Char, ArcticChar, DollyVarden, LakeTrout, BrookTrout, Grayling, Pike, Trout, Whitefish, BroadWhitefish, Cisco, ArcticCisco, BeringCisco, LeastCisco, HumpbackWhitefish, RoundWhitefish, ArcticCod, Flounder, Inconnu, LakeWhitefish, Fishunspec, Freshwaterfishunspec, BlackBear, Grizzly, Caribou, Moose, Muskox, DallsSheep, Beaver, Hare, Muskrat, Wolf, Arcticfox, Colouredfox, Wolverine, Lynx, Arcticgroundsquirrel, PolarBear, Porpoise, DallPorpoise, Seal, BeardedSeal, YoungBeardedSeal, FurSeal, HarborSeal, RibbonSeal, RingedSeal, SpottedSeal, RangerSeal, Sealsunspec, Harpseal, Hoodedseal, StellerSeal, Lion, Walrus, Belukha, Bowhead, BlueWhale, HumpbackWhale, Minke, Narwhal, Beluga, Ducks, Eider, Mallard, Oldsquaw, Pintail, Ducksunspec, ScotEgret, Grebe, Brant, CanadaGoose, SnowGoose, WhiteFrontedGoose, Geeseunspec, RossGoose, Sv, Tundraswan, CrestedAuklet, Common merganzer, Redbreastedmerganser, Scaup, Lesserscaup, GreaterScaup, Blackscoter, Whittingedscoter, Surfscoter, Guillemot, Blackguillemot, Thickbilledmurre, Murre, Loon, Commonloon, Arcticloon, Redthroatedloon, Yellowbilledloon, Sandhillcrane, Ptarmigan, SnowyOwl, Gooseeggs, Duckeggs, Arctic terneggs, Tundraswaneggs, Seagulleggs, Thickbilledmurreeggs, Blackguillemoteggs, Eggsunspec, Eiderdown, Clams, Crabs, KingCrab, TannerCrab, Shrimp, Mussels.
file handle adfg /name='C:\Users\Jack\Documents\AON-HD\marine mammals'.
get file='adfg\aon_AKCA_harvest_all.sav'.
dataset name file50.
dataset activate file50.
*dataset close file40.
*dataset close file14.
select if (allresourcey eq 1).
save outfile='adfg\aon_AKCA_harvest_comp_all.sav'
/keep=name, aon_place, year, latitude, longitude, admincode, adminname, nation, nationcode, subnation, regioncode, yeargp, decade, latestyr00, latestyr90, earliestyr80, earliestyr70, allresourcey, subdata, geodata, bothdata, commpop, allresources, fish, largelandmammals, smalllandmammals,
marinemammals, birdsandeggs, marineinvertebrates, NonSalmonFish, vegetation, berries, Salmon, ChumSalmon, CohoSalmon, ChinookSalmon, PinkSalmon, SockeyeSalmon, Sculpin, Turbot, Oceanfishunspec, Herring, HerringRoe, HerringSpawnonKelp, Smelt, RainbowSmelt, Cod, PacificTomCod, Blackfish, Burbot, Char, ArcticChar, DollyVarden, LakeTrout, BrookTrout, Grayling, Pike, Trout, Whitefish, BroadWhitefish, Cisco, ArcticCisco, BeringCisco, LeastCisco, HumpbackWhitefish, RoundWhitefish, ArcticCod, Flounder, Inconnu, LakeWhitefish, Fishunspec, Freshwaterfishunspec, BlackBear, Grizzly, Caribou, Moose, Muskox, DallsSheep, Beaver, Hare, Muskrat, Wolf, Arcticfox, Colouredfox, Wolverine, Lynx, Arcticground squirrel, PolarBear, Porpoise, DallPorpoise, Seal, BeardedSeal, YoungBeardedSeal, FurSeal, HarborSeal, RibbonSeal, RingedSeal, SpottedSeal, RangerSeal, Sealsunspec, Harp seal, Hooded seal, StellerSea Lion, Walrus, Belukha, Bowhead, BlueWhale, HumpbackWhale, Minke, Narwhal, Beluga, Ducks, Eider, Mallard, Oldsquaw, Pintail, Ducksunspec, Scoter, Wigeon, Geese, Brant, CanadaGoose, SnowGoose, WhiteFrontedGoose, Geeseunspec, RossGoose, Sv , Tundraswan, CrestedAuklet, Commonmergander, Redbreastedmergander, Scaup, Lesserscaup, GreaterScaup, Blackscoter, Whitingedscoter, Surfscoter, Guillemot, Blackguillemot, Thickbilledmurre, Murre, Loon, Commonloon, Arcticloon, Redthroatedloon, Yellowbilledloon, Sandhillcrane, Ptarmigan, SnowyOwl, Gooseeggs, Duckeggs, Articterneggs, Tundraswaneggs, Seagull eggs, Thickbilledmurreeggs, Blackguillemoteggs, Eggsunspec, Eiderdown, Clams, Crabs, KingCrab, TannerCrab, Shrimp, Mussels.

get file='adfg\aon_AKCA_harvest_comp_all.sav'.
dataset name file51.
dataset activate file51.
*display variables.

*Jack sent aon_AKCA_harvest_comp_all sav to Stephanie Martin with the challenge of creating 10 new variables, the first of which identifies the name of the top harvested species, followed by 2nd through 10th. She returned a SAS syntax file and an SPSS sav file - to 10 sas and harvest sav.
file handle adfg /name='C:\Users\Jack\Documents\AON-HD\marine mammals'.
get file = 'adfg\harvest090708.sav'.
dataset name file8.
dataset activate file8.
dataset close file6.
*frequencies variables=name1 to name10.
do repeat
xvar=name1, name2, name3, name4, name5, name6, name7, name8, name9, name10
/yvar=kgpc1, kgpc2, kgpc3, kgpc4, kgpc5, kgpc6, kgpc7, kgpc8, kgpc9, kgpc10.
if(xvar eq 'ARCTICCHAR') yvar=ARCTICCHAR.
if(xvar eq 'ARCTICCISCO') yvar=ARCTICCISCO.
if(xvar eq 'ARCTICGROUNDSQUIRREL') yvar=ARCTICGROUNDSQUIRREL.
if(xvar eq 'BEARDEDSEAL') yvar=BEGARDEDSEAL.
if(xvar eq 'BEAVER') yvar=BEAVER.
if(xvar eq 'BELUGA') yvar=BELUGA.
if(xvar eq 'BELUKHA') yvar=BELUKHA.
if(xvar eq 'BERINGCISCO') yvar=BERINGCISCO.
if(xvar eq 'BLACKBEAR') yvar=BLACKBEAR.
if(xvar eq 'BLACKFISH') yvar=BLACKFISH.
if(xvar eq 'BOWHEAD') yvar=BOWHEAD.
if(xvar eq 'BRANT') yvar=BRANT.
if(xvar eq 'BROADWHITEFISH') yvar=BROADWHITEFISH.
if(xvar eq 'BROOKTROUT') yvar=BROOKTROUT.
if(xvar eq 'BURBOT') yvar=BURBOT.
if(xvar eq 'CANADAGOOSE') yvar=CANADAGOOSE.
if(xvar eq 'CARIBOU') yvar=CARIBOU.
if(xvar eq 'CHAR') yvar=CHAR.
if(xvar eq 'CHINOOKSALMON') yvar=CHINOOKSALMON.
if(xvar eq 'CHUMSALMON') yvar=CHUMSALMON.
if(xvar eq 'CISCO') yvar=CISCO.
if(xvar eq 'CLAMS') yvar=CLAMS.
if(xvar eq 'COD') yvar=COD.
if(xvar eq 'COHOSALMON') yvar=COHOSALMON.
if(xvar eq 'CRABS') yvar=CRABS.
if(xvar eq 'DALLSSHEEP') yvar=DALLSSHEEP.
if(xvar eq 'DOLLYVARDEN') yvar=DOLLYVARDEN.
if(xvar eq 'DUCKS') yvar=DUCKS.
if(xvar eq 'DUCKSUNSPEC') yvar=DUCKSUNSPEC.
if(xvar eq 'EIDER') yvar=EIDER.
if(xvar eq 'FURSEAL') yvar=FURSEAL.
if(xvar eq 'GEESE') yvar=GEESE.
if(xvar eq 'GEESEUNSPEC') yvar=GEESEUNSPEC.
if(xvar eq 'GOOSEEGGS') yvar=GOOSEEGGS.
if(xvar eq 'GRAYLING') yvar=GRAYLING.
if(xvar eq 'GRIZZLY') yvar=GRIZZLY.
if(xvar eq 'HARBORSEAL') yvar=HARBORSEAL.
if(xvar eq 'HARE') yvar=HARE.
if(xvar eq 'HARPSEAL') yvar=HARPSEAL.
if(xvar eq 'HERRING') yvar=HERRING.
if(xvar eq 'HERRINGROE') yvar=HERRINGROE.
if(xvar eq 'HERRINGSPAWN NONKELP') yvar=HERRINGSPAWN NONKELP.
if(xvar eq 'HOODEDSEAL') yvar=HOODEDSEAL.
if(xvar eq 'HUMPBACKWHITEFISH') yvar=HUMPBACKWHITEFISH.
if(xvar eq 'INCONNU') yvar=INCONNU.
if(xvar eq 'KINGCRAB') yvar=KINGCRAB.
if(xvar eq 'LAKETROUT') yvar=LAKETROUT.
if(xvar eq 'LAKEWHITEFISH') yvar=LAKEWHITEFISH.
if(xvar eq 'LEASTCISCO') yvar=LEASTCISCO.
if(xvar eq 'MALLARD') yvar=MALLARD.
if(xvar eq 'MOOSE') yvar=MOOSE.
if(xvar eq 'MUSKOK') yvar=MUSKOK.
if(xvar eq 'MUSKRAT') yvar=MUSKRAT.
if(xvar eq 'MUSSELS') yvar=MUSSELS.
if(xvar eq 'NARWHAL') yvar=NARWHAL.
if(xvar eq 'PACIFICTOMCOD') yvar=PACIFICTOMCOD.
if(xvar eq 'PIKE') yvar=PIKE.
if(xvar eq 'PINKSALMON') yvar=PINKSALMON.
if(xvar eq 'POLARBEAR') yvar=POLARBEAR.
if(xvar eq 'PTARMIGAN') yvar=PTARMIGAN.
if(xvar eq 'RAINFOWSMELT') yvar=RAINBOWSMELT.
if(xvar eq 'RINGEDSEAL') yvar=RINGEDSEAL.
if(xvar eq 'ROUNDWHITEFISH') yvar=ROUNDWHITEFISH.
if(xvar eq 'SAFFRONCOD') yvar=SAFFRONCOD.
if(xvar eq 'SCULPIN') yvar=SCULPIN.
if(xvar eq 'SEAL') yvar=SEAL.
if(xvar eq 'SEALSUNSPEC') yvar=SEALSUNSPEC.
if(xvar eq 'SHRIMP') yvar=SHRIMP.
if(xvar eq 'SMELT') yvar=SMELT.
if(xvar eq 'SNOWGOOSE') yvar=SNOWGOOSE.
if(xvar eq 'SOCKEYESALMON') yvar=SOCKEYESALMON.
if(xvar eq 'SPOTTEDSEAL') yvar=SPOTTEDSEAL.
if(xvar eq 'STELLERSEALION') yvar=STELLERSEALION.
if(xvar eq 'SWAN') yvar=SWAN.
if(xvar eq 'TANNERCRAB') yvar=TANNERCRAB.
if(xvar eq 'THICKBILLEDMURREEGGS') yvar=THICKBILLEDMURREEGGS.
if(xvar eq 'TROUT') yvar=TROUT.
if(xvar eq 'TUNDRAWHITEFISH') yvar=TUNDRAWHITEFISH.
if(xvar eq 'TUNDRAWHITEFISHEGGS') yvar=TUNDRAWHITEFISHEGGS.
if(xvar eq 'TUNDRASWAN') yvar=TUNDRASWAN.
if(xvar eq 'TUNDRASWANEGGS') yvar=TUNDRASWANEGGS.
if(xvar eq 'TURBOT') yvar=TURBOT.
if(xvar eq 'WALRUS') yvar=WALRUS.
if(xvar eq 'WHITEFISH') yvar=WHITEFISH.
if(xvar eq 'WHITEFRONTEDGOOSE') yvar=WHITEFRONTEDGOOSE.
if(xvar eq 'YOUNGBEARDEDSEAL') yvar=YOUNGBEARDEDSEAL.
end repeat.
variable labels
  kgc1kilograms per capita top species'
  kgc2kilograms per capita 2nd species'
  kgc3kilograms per capita 3rd species'
  kgc4kilograms per capita 4th species'
  kgc5kilograms per capita 5th species'
  kgc6kilograms per capita 6th species'
  kgc7kilograms per capita 7th species'
  kgc8kilograms per capita 8th species'
  kgc9kilograms per capita 9th species'
  kgc10kilograms per capita 10th species'.
compute pcttop1=kgc1/allresources.
compute pcttop2=sum(kgc1,kgc2)/allresources.
compute pcttop3=sum(kgc1,kgc2,kgc3)/allresources.
compute pcttop4=sum(kgc1,kgc2,kgc3,kgc4)/allresources.
compute pcttop5=sum(kgc1,kgc2,kgc3,kgc4,kgc5)/allresources.
compute pcttop6=sum(kgc1,kgc2,kgc3,kgc4,kgc5,kgc6)/allresources.
compute pcttop7=sum(kgc1,kgc2,kgc3,kgc4,kgc5,kgc6,kgc7)/allresources.
compute pcttop8=sum(kgc1,kgc2,kgc3,kgc4,kgc5,kgc6,kgc7,kgc8)/allresources.
compute pcttop9 = sum(kgpc1, kgpc2, kgpc3, kgpc4, kgpc5, kgpc6, kgpc7, kgpc8, kgpc9)/allresources.
compute pcttop10 = sum(kgpc1, kgpc2, kgpc3, kgpc4, kgpc5, kgpc6, kgpc7, kgpc8, kgpc9, kgpc10)/allresources.
variable labels
  pcttop1 'percent allresources represented by top 1 species'
  pcttop2 'percent allresources represented by top 2 species'
  pcttop3 'percent allresources represented by top 3 species'
  pcttop4 'percent allresources represented by top 4 species'
  pcttop5 'percent allresources represented by top 5 species'
  pcttop6 'percent allresources represented by top 6 species'
  pcttop7 'percent allresources represented by top 7 species'
  pcttop8 'percent allresources represented by top 8 species'
  pcttop9 'percent allresources represented by top 9 species'
  pcttop10 'percent allresources represented by top 10 species'.
  *frequencies variables=name1, name2, name3, name4, name5
  *frequencies variables=kgpc1.
  *descriptives variables=pcttop1 to pcttop10.
save outfile='adfg\aon_AKCA_harvest_top10.sav'.

file handle adfg /name='C:\Users\Jack\Documents\AON-HD\marine mammals'.
get file='adfg\aon_AKCA_harvest_top10.sav'.
dataset name file7.
dataset activate file7.
frequencies variables=name1, name2, name3, name4, name5.
frequencies variables=kgpc1.
descriptives variables=pcttop1 to pcttop10.

file handle adfg /name='C:\Users\Jack\Documents\AON-HD\marine mammals'.
get file='adfg\aon_AKCA_harvest_top10.sav'.
variable labels
  name1 'name of harvested species number 1'
  name2 'name of harvested species number 2'
  name3 'name of harvested species number 3'
  name4 'name of harvested species number 4'
  name5 'name of harvested species number 5'
  name6 'name of harvested species number 6'
  name7 'name of harvested species number 7'
  name8 'name of harvested species number 8'
  name9 'name of harvested species number 9'
  name10 'name of harvested species number 10'.
variable labels
  val1 'kilograms per capita harvested species number 1'
  val2 'kilograms per capita harvested species number 2'
  val3 'kilograms per capita harvested species number 3'
  val4 'kilograms per capita harvested species number 4'
  val5 'kilograms per capita harvested species number 5'
  val6 'kilograms per capita harvested species number 6'
  val7 'kilograms per capita harvested species number 7'
val8 'kilograms per capita harvested species number 8'
val9 'kilograms per capita harvested species number 9'
val10 'kilograms per capita harvested species number 10'.

variable labels
latitude 'latitude of community'.

save outfile= 'adfg\aon_subsistence.sav'
drop=decade, subdata, geodata, bothdata.
get file= 'adfg\aon_subsistence.sav'.

select if (latestyr90=1).
save outfile='adfg\aon_AKCA_90scomp.sav'
/keep=name,aon_place, year,latitude,longitude,allresources.
get file='adfg\aon_AKCA_90scomp.sav'.
means tables=allresources by decade.
means tables=allresources by adminname by decade.

frequencies variables=year/histogram.
frequencies variables=name.
frequencies variables=allresources/histogram.
means tables=allresources by yeargrp/statistics=anova.
descriptives
variables=largelandmammals,smallandmammals,birds_eggs,marineinvert,marinemammals,berries,
plants/statistics=mean.

file handle adfg /name='C:\Users\Jack\Documents\AON-HD\marine mammals'.
get file='adfg\aon_AKCA_harvest_comp_all.sav'.
*frequencies variables=subnation.
*crosstabs tables=decade by subnation.
dataset name file1.
dataset activate file1.
*get file='adfg\aon_AKINUVNUN_harvest_all.sav'.
*get file='adfg\aon_AKINUV_harvest_all.sav'.
*frequencies variables=decade.
*display variables.
select if (decade eq 2).
sort cases by aon_place,year.
*frequencies variables=aon_place.
compute lagplace= lag(aon_place).
do if (lagplace ne aon_place).
compute earliestyr=1.
end if.
frequencies variables=earliestyr.
select if (earliestyr eq 1).
sort cases by aon_place.
save outfile='adfg\aon_AKCA_harvest_comp_80s.sav'
(rename = (year, Commpop, allresources, fish, largelandmammals, smalllandmammals, marinemammals, birdsandeggs, marineinvertebrates, NonSalmonFish, vegetation, berries, Salmon, ChumSalmon, CohoSalmon, ChinookSalmon, PinkSalmon, SockeyeSalmon, Sculpin, Turbot, Oceanfishunspec, Herring, HerringRoe, HerringSpawnonKelp, Smelt, RainbowSmelt, Cod, PacificTomCod, SaffronCod, Blackfish, Burbot, Char, ArcticChar, DollyVarden, Lake Trout, Brook Trout, Grayling, Pike, Trout, Whitefish, BroadWhitefish, Cisco, ArcticCisco, BeringCisco, LeastCisco, HumpbackWhitefish, RoundWhitefish, ArcticCod, Flounder, Inconnu, Lake Whitefish, Fishunspec, Freshwaterfishunspec, BlackBear, Grizzly, Caribou, Moose, Muskox, DallsSheep, Beaver, Hare, Muskrat, Wolf, Arcticfox, Colouredfox, Wolverine, Lynx, Arcticgroundsquirrel, PolarBear, Porpoise, DallPorpoise, Seal, BeardedSeal, Young Bearded Seal, Fur Seal, Harbor Seal, Ribbon Seal, Ringed Seal, Spotted Seal, Ranger Seal, Sealsunspec, Harp seal, Hooded seal, Steller Sea Lion, Walrus, Belukha, Bowhead, Blue Whale, Humpback Whale, Minke, Narwhal, Beluga, Ducks, Eider, Mallard, Oldsquaw, Pintail, Ducksunspec, Scoter, Wigeon, Geese, Brant, Canada Goose, Snow Goose, White Fronted Goose, Geeseunspec, Ross Goose, Swan, Tundraswan, Crested Auklet, Common merganser, Red breasted merganser, Scaup, Lesserscaup, Greater Scaup, Black scoter, Whiting ed scoter, Surf scoter, Guillemot, Black guillemot, Thick billed murre, Murre, Loon, Common loon, Arctic loon, Red throated loon, Yellow billed loon, Sand hill crane, Ptarmigan, Snowy Owl, Goose eggs, Duck eggs, Arcticter eggs, Tundraswan eggs, Seagull eggs, Thick billed murre eggs, Black guillemot eggs, Eggsunspec, Eider down, Clams, Crabs, King Crab, Tanner Crab, Shrimp, Mussels = year 80s, Commpop 80s, allresources 80s, fish 80s, largelandmammals 80s, smalllandmammals 80s, marinemammals 80s, birds and eggs 80s, marine invertebrates 80s, NonSalmonFish 80s, vegetation 80s, berries 80s, salmon 80s, ChumSalmon 80s, Coho Salmon 80s, Chinook Salmon 80s, Pink Salmon 80s, Sockeye Salmon 80s, Sculpin 80s, Turbot 80s, Ocean fish unspec 80s, Herring 80s, Herring Roe 80s, Herring Spawn on Kelp 80s, Smelt 80s, Rainbow Smelt 80s, Cod 80s, Pacific Tom Cod 80s, Saffron Cod 80s, Black fish 80s, Burbot 80s, Char 80s, Arctic Char 80s, Dolly Varden 80s, Lake Trout 80s, Brook Trout 80s, Grayling 80s, Pike 80s, Trout 80s, White fish 80s, Broad Whitefish 80s, Cisco 80s, Arctic Cisco 80s, Bering Cisco 80s, Least Cisco 80s, Humpback Whitefish 80s, Round Whitefish 80s, Arctic Cod 80s, Flounder 80s, Inconnu 80s, Lake Whitefish 80s, Fish unspec 80s, Freshwater fish unspec 80s, Black Bear 80s, Grizzly 80s, Caribou 80s, Moose 80s, Musk ox 80s, Dalls Sheep 80s, Beaver 80s, Hare 80s, Musk rat 80s, Wolf 80s, Arctic fox 80s, Coloured fox 80s, Wolverine 80s, Lynx 80s, Arctic ground squirrel 80s, Polar Bear 80s, Porpoise 80s, Dall Porpoise 80s, Seal 80s, Bearded Seal 80s, Young Bearded Seal 80s, Fur Seal 80s, Harbor Seal 80s, Ribbon Seal 80s, Spotted Seal 80s, Ranger Seal 80s, Sealsunspec 80s, Harp seal 80s, Hooded seal 80s, Steller Sea Lion 80s, Walrus 80s, Belukha 80s, Bowhead 80s, Blue Whale 80s, Hump back Whale 80s, Minke 80s, Narwhal 80s, Beluga 80s, Ducks 80s, Eider 80s, Mallard 80s, Oldsquaw 80s, Pintail 80s, Duck sun spec 80s, Scoter 80s, Wigeon 80s, Geese 80s, Brant 80s, Canada Goose 80s, Snow Goose 80s, White Fronted Goose 80s, Geeseunspec 80s, Ross Goose 80s, Swan 80s, Tundraswan 80s, Crested Auklet 80s, Common merganser 80s, Red breasted merganser 80s, Scaup 80s, Lesserscaup 80s, Greater Scaup 80s, Black scoter 80s, Whiting ed scoter 80s, Surf scoter 80s, Guillemot 80s, Black guillemot 80s, Thick billed murre 80s, Murre 80s, Loon 80s, Common loon 80s, Artic loon 80s, Red throated loon 80s, Yellow billed loon 80s, Sand hill crane 80s, Ptarmigan 80s, Snowy Owl 80s, Goose eggs 80s, Duck eggs 80s, Arcticter eggs 80s, Tundraswan eggs 80s, Seagull eggs 80s, Thick billed murre eggs 80s, Black guillemot eggs 80s, Eggsunspec 80s, Eider down 80s, Clams 80s, Crabs 80s, King Crab 80s, Tanner Crab 80s, Shrimp 80s, Mussels 80s).

*get file="adfg\aon_AKCA_harvest_comp_80s.sav".

*frequencies variables=aon_place.

get file="adfg\aon_AKCA_harvest_comp_all.sav".
*crosstabs tables=decade by subnation.
dataset name file5.
dataset activate file5.
select if (decade eq 3).
sort cases by aon_place, year.
*frequencies variables=aon_place.
compute lagplace= lag(aon_place).
do if (lagplace ne aon_place).
compute earliestyr=1.
end if.
frequencies variables=earliestyr.
select if (earliestyr=1).
sort cases by aon_place.
save outfile='adfg|aon_AKCA_harvest_comp_90s.sav'
/rename = (year, Commpop, allresources, fish, largelandmammals, smalllandmammals, marinemammals
irdsandeggs, marineinvertebrates, NonSalmonFish, vegetation, berries, Salmon, ChumSalmon,
CohoSalmon, ChinookSalmon, PinkSalmon, SockeyeSalmon, Sculpin, Turbot, Oceanfishunspec, Herring,
HerringRoe, HerringSpawnonKelp, Smelt, RainbowSmelt, Cod, PacificTomCod, SaffronCod, Blackfish,
Burbot, Char, ArcticChar, DollyVarden, LakeTrout, BrookTrout, Grayling, Pike, Trout, Whitefish,
BroadWhitefish, Cisco, ArcticCisco, BeringCisco, LeastCisco, HumpbackWhitefish, RoundWhitefish,
ArcticCod, Flounder, Inconnu, LakeWhitefish, Fishunspec, Freshwaterfishunspec, BlackBear, Grizzly,
Caribou, Moose, Muskox, DallsSheep, Beaver, Hare, Muskrat, Wolf, Arcticfox, Colouredfox, Wolverine,
Lynx, Arcticgroundsquirrel, PolarBear, Porpoise, DallPorpoise, Seal, Bearded Seal, YoungBearded Seal,
Fur Seal, Harbor Seal, Ribbon Seal, Spotted Seal, Ranger Seal, Sealsunspec, Harp seal, Hooded seal,
Steller Sea Lion, Walrus, Belukha, Bowhead, Blue Whale, Humpback Whale, Minke, Narwhal,
Beluga, Ducks, Eider, Mallard, Oldsquaw, Pintail, Ducksunspec, Scoter, Wigeon, Geese, Brant,
Canada Goose, Snow Goose, White Fronted Goose, Geeseunspec, Ross Goose, Swan, Tundraswan,
Crested Auklet, Common merganzer, Red breasted merganzer, Scaup, Lesserscaup, Greater Scaup,
Black scoter, Whistling scoter, Surfs coter, Guillemot, Black guillemot, Thick billed murre, Murre, Loon,
Common loon, Arctic loon, Red throated loon, Yellow billed loon, Sand hills crane, P tarmigan, Snowy Owl,
Goose eggs, Duck eggs, Arctic tern eggs, Tund raswan eggs, Seagull eggs, Thick billed murre eggs,
Black guillemot eggs, Egg sunspec, Eider down, Clams, Crabs, King Crab, Tanner Crab, Shrimp, Mussels
= year90s, Commpop90s, all resources90s, fish90s, largelandmammals90s, small land mammals90s,
marinemammals90s, birds and eggs90s, marine invertebrates90s, Non Salmon Fish90s, vegetation90s,
berries90s, Salmon90s, ChumSalmon90s, Coho Salmon90s, Chinook Salmon90s, Pink Salmon90s,
Sockeye Salmon90s, Sculpin90s, Turbot90s, Ocean fish un spec90s, Herring90s, Herring Roe90s,
Herring Spawnon Kelp90s, Smelt90s, Rainbow Smelt90s, Cod90s, Pacific Tom Cod90s, Saffron Cod90s,
Black fish90s, Burbot90s, Char90s, Arctic Char90s, Dolly Varden90s, Lake Trout90s, Brook Trout90s,
Grayling90s, Pike90s, Trout90s, Whitefish90s, Broad Whitefish90s, Cisco90s, Arctic Cisco90s,
Bering Cisco90s, Least Cisco90s, Humpback Whitefish90s, Round Whitefish90s, Arctic Cod90s, Flounder90s,
Inconnu90s, Lake Whitefish90s, Fish unspec90s, Freshwater fish unspec90s, Black Bear90s, Grizzly90s,
Caribou90s, Moose90s, Musk ox90s, Dalls Sheep90s, Beaver90s, Hare90s, Musk rat90s, Wolf90s,
Arctic fox90s, Coloured fox90s, Wolverine90s, Lynx90s, Arctic groundsquirrel90s, Polar Bear90s,
Porpoise90s, Dall Porpoise90s, Seal90s, Bearded Seal90s, Young Bearded Seal90s, Fur Seal90s,
Harbor Seal90s, Ribbon Seal90s, Spotted Seal90s, Ranger Seal90s, Sealsunspec90s, Harp seal90s,
Hooded seal90s, Steller Sea Lion90s, Walrus90s, Belukha90s, Bowhead90s, Blue Whale90s,
Humpback Whale90s, Minke90s, Narwhal90s, Beluga90s, Ducks90s, Eider90s, Mallard90s, Old squaw90s
Pintail90s, Ducksunspec90s, Scoter90s, Wigeon90s, Geese90s, Brant90s, CanadaGoose90s, 
SnowGoose90s, WhiteFrontedGoose90s, Geeseunspec90s, RossGoose90s, Swan90s, Tundraswan90s, 
CrestedAuklet90s, Commonmerganzer90s, Redbreastedmerganzer90s, Scaup90s, Lesserscaup90s, 
GreaterScaup90s, Blackscoter90s, Whitewingedscoter90s, Surfscoter90s, Guillemot90s, 
Blackguillemot90s, Thickbilledmurre90s, Murre90s, Loon90s, Commonloon90s, Arcticloon90s, Redthroatedloon90s, Yellowbilledloon90s, Sandhillcrane90s, Ptarmigan90s, SnowyOwl90s, Gooseeggs90c 
Duckeggs90s, Arcticaeggs90s, Tundraswaneggs90s, Seagulleggs90s, Thickbilledmurreeggs90s, 
Blackguillemoteeggs90s, Eggssunspec90s, Eiderdown90s, Clams90s, Crabs90s, KingCrab90s, 
TannerCrab90s, Shrimp90s, Mussels90s).
*get file='adfg\aon_AKCA_harvest_comp_90s.sav'.
*frequencies variables=aon_place.

get file='adfg\aon_AKCA_harvest_comp_all.sav'.
dataset name file2.
dataset activate file2.
select if (decade eq 4).
sort cases by aon_place,year(d).
*frequencies variables=aon_place.
compute lagplace= lag(aon_place).
do if (lagplace ne aon_place).
compute latestyr=1.
end if.
frequencies variables=latestyr.
select if (latestyr=1).
sort cases by aon_place.
save outfile='adfg\aon_AKCA_harvest_comp_00s.sav'
/rename = (year, Commpop, allresources, fish, largelandmammals, smalllandmammals, marinemammals, 
birdsandeggs, marineinvertebrates, NonSalmonFish, vegetation, berries, Salmon, ChumSalmon, 
CohoSalmon, ChinookSalmon, PinkSalmon, SockeyeSalmon, Sculpin, Turbot, Oceanfishunspec, Herring, 
HerringRoe, HerringSpawnonKelp, Smelt, RainbowSmelt, Cod, PacificTomCod, SaffronCod, Blackfish, 
Burbot, Char, ArcticChar, DollyVarden, LakeTrout, BrookTrout, Grayling, Pike, Trout, Whitefish, 
BroadWhitefish, Cisco, ArcticCisco, BeringCisco, LeastCisco, HumpbackWhitefish, RoundWhitefish, 
ArcticCod, Flounder, Inconnu, LakeWhitefish, Fishunspec, Freshwaterfishunspec, BlackBear, Grizzly, 
Caribou, Moose, Muskox, DallsSheep, Beaver, Hare, Muskrat, Wolf, Arcticfox, Colouredfox, Wolverine, 
Lynx, Arcticgroundsquirrel, PolarBear, Porpoise, DallPorpoise, Seal, BeardedSeal, YoungBeardedSeal, 
FurSeal, HarborSeal, RibbonSeal, RingedSeal, SpottedSeal, RangerSeal, Sealsunspec, Harpseal, 
Hoodedseal, StellerSeaLion, Walrus, Belukha, Bowhead, BlueWhale, HumpbackWhale, Minke, Narwhal, 
Beluga, Ducks, Eider, Mallard, Oldsquaw, Pintail, Ducksunspec, Scoter, Wigeon, Geese, Brant, 
CanadaGoose, SnowGoose, WhiteFrontedGoose, Geeseunspec, RossGoose, Swan, Tundraswan, 
CrestedAuklet, Commonmerganzer, Redbreastedmerganzer, Scaup, Lesserscaup, GreaterScaup, 
Blackscoter, Whitewingedscoter, Surfscoter, Guillemot, Blackguillemot, Thickbilledmurre, Murre, Loon, 
Commonloon, Arcticloon, Redthroatedloon, Yellowbilledloon, Sandhillcrane, Ptarmigan, SnowyOwl, 
Gooseeggs, Duckeggs, Arcticaeggs, Tundraswaneggs, Seagulleggs, Thickbilledmurreeggs, 
Blackguillemoteeggs, Eggssunspec, Eiderdown, Clams, Crabs, KingCrab, TannerCrab, Shrimp, Mussels 
=year00s, Commpop00s, allresources00s, fish00s, largelandmammals00s, smalllandmammals00s, 
marinemammals00s, birdsandeggs00s, marineinvertebrates00s, NonSalmonFish00s, vegetation00s, 
berries00s, Salmon00s, ChumSalmon00s, CohoSalmon00s, ChinookSalmon00s, PinkSalmon00s,
SockeyeSalmon00s, Sculpin00s, Turbot00s, Oceanfishunspec00s, Herring00s, HerringRoe00s, HerringSpawnonKelp00s, Smelt00s, RainbowSmelt00s, Cod00s, PacificTomCod00s, SaffronCod00s, Blackfish00s, Burbot00s, Char00s, ArcticChar00s, DollyVarden00s, LakeTrout00s, BrookTrout00s, Grayling00s, Pike00s, Trout00s, Whitefish00s, BroadWhitefish00s, Cisco00s, ArcticCisco00s, BeringCisco00s, LeastCisco00s, HumpbackWhitefish00s, RoundWhitefish00s, ArcticCod00s, Flounder00s, Inconnu00s, LakeWhitefish00s, Fishunspec00s, Freshwaterfishunspec00s, BlackBear00s, Grizzly00s, Caribou00s, Moose00s, Muskox00s, DallsSheep00s, Beaver00s, Hare00s, Muskrat00s, Wolf00s, Arcticfox00s, Colouredfox00s, Wolverine00s, Lynx00s, Arcticgroundsquirrel00s, PolarBear00s, Porpoise00s, DallPorpoise00s, Seal00s, BeardedSeal00s, YoungBeardedSeal00s, FurSeal00s, HarborSeal00s, RibbonSeal00s, RingedSeal00s, SpottedSeal00s, RangerSeal00s, Sealsunspec00s, Harpsea00s, Hoodedseal00s, StellerSeaLion00s, Walrus00s, Belukha00s, Bowhead00s, BlueWhale00s, HumpbackWhale00s, Minke00s, Narwhal00s, Beluga00s, Ducks00s, Eider00s, Mallard00s, Oldsquaw00s, Pintail00s, Ducksunspec00s, Scoter00s, Wigeon00s, Geese00s, Brant00s, CanadaGoose00s, SnowGoose00s, WhiteFrontedGoose00s, Geeseunspec00s, RossGoose00s, Swan00s, TundraSwan00s, CrestedAuklet00s, Commonmerganzer00s, Redbreastedmerganzer00s, Scaup00s, Lesserscaup00s, GreaterScaup00s, Blackscoter00s, Whitingedscoter00s, Surfscoter00s, Guillemot00s, Blackguillemot00s, Thickbilledmurre00s, Murre00s, Loon00s, Commonloon00s, Arcticloon00s, Redthroatedlo00s, Yellowbilledlo00s, Sandhillcrane00s, Ptarmigan00s, SnowyOwl00s, Gooseeggs00c, Duckeggs00s, Arcticterneggs00s, TundraSwaneggs00s, Seagulleggs00s, Thickbilledmurreeggs00s, Blackguillemoteggs00s, Eggsunspec00s, Eiderdown00s, Clams00s, Crabs00s, KingCrab00s, TannerCrab00s, Shrimp00s, Mussels00s).

*get file=adfg\aon_AKCA_harvest_comp_00s.sav.
*frequencies variables=aon_place.
*we are missing nunavik because there are no records in 1980-current.
get file=adfg\aon_AKCA_harvest_comp_80s.sav.
*frequencies variables=subnation.
dataset name file6.
dataset activate file6.
*dataset close file3.
match files
file=* 
/file=adfg\aon_AKCA_harvest_comp_90s.sav
/file=adfg\aon_AKCA_harvest_comp_00s.sav
/by aon_place.
recode allresources80s,allresources90s, allresources00s (0=0)(1 thru hi=1) into observ80s, observ90s, observ00s.
variable labels
observ80s 'Comprehensive harvest survey in 1980s'
observ90s 'Comprehensive harvest survey in 1990s'
observ00s 'Comprehensive harvest survey in 2000s'.
value labels observ80s, observ90s observ00s 1 'yes'.
count observ8090s=observ80s,observ90s(1).
variable labels observ8090s 'Comprehensive harvest survey in 80s and 90s'.
count observ9000s=observ90s,observ00s(1).
variable labels observ9000s 'Comprehensive harvest survey in 90s and 2000s'.
frequencies variables=observ9000s.
do if (observ9000s eq 2).
compute allreschg9000=allresources00s-allresources90s.
end if.
do if (observ9000s eq 2).
compute allreschg8090=allresources90s-allresources80s.
end if.
variable labels allreschg9000 'change in kilograms per capita harvest 1990s to 2000s'.
variable labels allreschg8090 'change in kilograms per capita harvest 1980s to 1990s'.
descriptives variables=allreschg9000.
compute regioncode=admincode.
variable labels regioncode 'aon hybrid region unique code'.
sort cases by aon_place.
save outfile='adfg\aon_AKCA_harvest_comp_3decades.sav'
/keep=name, aon_place, year80s, year90s, year00s, latitude, longitude, admincode, adminname, nation,
tioncode, subnation, subcode, regioncode, observ80s, observ90s, observ00s, observ8090s, observ9000s,
allresources80s, allresources90s, allresources00s, allreschg8090, allreschg9000, allresourcey,
Commpop80s, Commpop90s, Commpop00s, fish80s, largelandmammals80s, smalllandmammals80s,
marinemammals80s, birdsandeggs80s, marineinvertebrates80s, NonSalmonFish80s, vegetation80s,
berries80s, Salmon80s, ChumSalmon80s, CohoSalmon80s, ChinookSalmon80s, PinkSalmon80s,
SockeyeSalmon80s, Sculpin80s, Turbot80s, Oceanfishunspec80s, Herring80s, HerringRoe80s,
HerringSpawnonKelp80s, Smelt80s, RainbowSmelt80s, Cod80s, PacificTomCod80s, SaffronCod80s,
Blackfish80s, Burbot80s, Char80s, ArcticChar80s, DollyVarden80s, LakeTrout80s, BrookTrout80s,
Grayling80s, Pike80s, Trout80s, Whitefish80s, BroadWhitefish80s, Cisco80s, ArcticCisco80s,
BeringCisco80s, LeastCisco80s, HumpbackWhitefish80s, RoundWhitefish80s, ArcticCod80s, Flounder80s,
Inconnu80s, LakeWhitefish80s, Fishunspec80s, Freshwaterfishunspec80s, BlackBear80s, Grizzly80s,
Caribou80s, Moose80s, Muskox80s, DallsSheep80s, Beaver80s, Hare80s, Muskrat80s, Wolf80s,
Arcticfox80s, Colouredfox80s, Wolverine80s, Lynx80s, Arcticaongroundspquirrel80s, PolarBear80s,
Porpoise80s, DallPorpoise80s, Seal80s, BeardedSeal80s, YoungBeardedSeal80s, FurSeal80s,
HarborSeal80s, RibbonSeal80s, RingedSeal80s, SpottedSeal80s, RangerSeal80s, Sealsunspec80s,
Harps8eal80s, Hoodedseal80s, StellerSeaLion80s, Walrus80s, Belu88usa, Bowhead80s, BlueWhale80s,
HumpbackWhale80s, Minke80s, Narwhali80s, Belugas80s, Ducks80s, Eider80s, Mallard80s, Oldsquaw80s,
Pintail80s, Ducksunspec80s, Scoter80s, Wigeon80s, Geese80s, Brant80s, CanadaGoose80s,
SnowGoose80s, WhiteFrontedGoose80s, Geeseunspec80s, RossGoose80s, Swan80s, Tundraswan80s,
CrestedAuklet80s, Commonmergander80s, Redbreastedmergander80s, Scaup80s, Lesser scaup80s,
GreaterScaup80s, Blackscoter80s, Whitewingedscaup80s, Surfscoter80s, Guilemoat80s,
Blackguilemoreat80s, Thickbilledmurre80s, Murre80s, Loon80s, Commonloon80s, Arcticloon80s,
Redthroatedloon80s, Yellowbilledloon80s, Sandhillcrane80s, Ptarmigan80s, SnowyOwl80s, Gooseeggs80c,
Duckeggs80s, Arcticterneggs80s, Tundraswaneaggs80s, Seagull eggs80s, Thickbilledmurreeggs80s,
Blackguilemoteeggs80s, Eggsunspec80s, Eiderdown80s, Clams80s, Crabs80s, KingCrab80s,
TannerCrab80s, Shrimp80s, Mussels80s, lagplace, earliestyr, fish80s, largelandmammals80s,
smalllandmammals80s, marinemammals90s, birdsandeggs90s, marineinvertebrates90s,
NonSalmonFish90s, vegetation90s, berries90s, Salmon90s, ChumSalmon90s, CohoSalmon90s,
ChinookSalmon90s, PinkSalmon90s, SockeyeSalmon90s, Sculpin90s, Turbot90s, Oceanfishunspec90s,
Herring90s, HerringRoe90s, HerringSpawnonKelp90s, Smelt90s, RainbowSmelt90s, Cod90s,
PacificTomCod90s, SaffronCod90s, Blackfish90s, Burbot90s, Char90s, ArcticChar90s, DollyVarden90s,
LakeTrout90s, BrookTrout90s, Grayling90s, Pike90s, Trout90s, Whitefish90s, BroadWhitefish90s,
Cisco90s, ArcticCisco90s, BeringCisco90s, LeastCisco90s, HumpbackWhitefish90s, RoundWhitefish90s,
get file='adfglaon_AKCA_harvest_comp_3decades.sav'.
*display variables.
*frequencies variables=subnation.
frequencies variables=year90s, year00s, allreschg9000.
compute year_diff = year00s - year90s.
variable labels year_diff 'Number of years between observations'.

ArcticCod90s, Flounder90s, Inconnu90s, LakeWhitefish90s, Fishunspec90s, Freshwaterfishunspec90s, BlackBear90s, Grizzly90s, Caribou90s, Moose90s, Muskox90s, DallsSheep90s, Beaver90s, Hare90s, Muskrat90s, Wolf90s, Arcticfox90s, Colouredfox90s, Wolverine90s, Lynx90s, Arcticgroundskirrel90s, PolarBear90s, Porpoise90s, DallPorpoise90s, Seal90s, BeardedSeal90s, YoungBeardedSeal90s, FurSeal90s, HarborSeal90s, RibbonSeal90s, RingedSeal90s, SpottedSeal90s, RangerSeal90s, Sealsunspec90s, Harpseal90s, Hoodedseal90s, StellerSeaLion90s, Walrus90s, Belukha90s, Bowhead90s: BlueWhale90s, HumpbackWhale90s, Minke90s, Narwhal90s, Beluga90s, Ducks90s, Eider90s, Mallard90s: Oldsquaw90s, Pintail90s, Ducksunspec90s, Scoter90s, Wigeon90s, Geese90s, Brant90s, CanadaGoose90s, SnowGoose90s, WhiteFrontedGoose90s, Geeseunspec90s, RossGoose90s, Swan90 Tundraswan90s, CrestedAuklet90s, Commonmerganser90s, Redbreastedmerganser90s, Scaup90s, Lesserscaup90s, GreaterScaup90s, Blackscoter90s, Whitewingedscooter90s, Surfscoter90s, Guillemot90s, Blackguillemot90s, Thickbilledmurre90s, Murre90s, Loon90s, Commonloon90s, Arcticloon90s, Redthroatedloon90s, Yellowbilledloon90s, Sandhillcrane90s, Ptarmigan90s, SnowyOwl90s, Gooseeggs90s, Duckeggs90s, Arcticterneggs90s, Tundraswaneggs90s, Seagulleggs90s, Thickbilledmurreeggs90s, Blackguillemoteeggs90s, Eggunspec90s, Eiderdown90s, Clams90s, Crabs90s, KingCrab90s, TannerCrab90s, Shrimp90s, Mussels90s, fish00s, largelandmammals00s, smalllandmammals00s, marinemammals00s, birdsandeggs00s, marineinvertebrates00s, NonSalmonFish00s, vegetation00s, berries00s, Salmon00s, ChumSalmon00s, CohoSalmon00s, ChinookSalmon00s, PinkSalmon00s, SockeyeSalmon00s, Sculpin00s, Turbot00s, Oceanfishunspec00s, Herring00s, HerringRoe00s, HerringSpawnonKelp00s, Smelt00s, RainbowSmelt00s, Cod00s, PacificTomCod00s, SaffronCod00s, Blackfish00s, Burbot00s, Char00s, ArcticChar00s, DollyVarden00s, LakeTrout00s, BrookTrout00s, Grayling00s, Pike00s, Trout00s, Whitefish00s, BroadWhitefish00s, Cisco00s, ArcticCisco00s, BeringCisco00s, LeastCisco00s, HumpbackWhitefish00s, RoundWhitefish00s, ArcticCod00s, Flounder00s: Inconnu00s, LakeWhitefish00s, Fishunspec00s, Freshwaterfishunspec00s, BlackBear00s, Grizzly00s, Caribou00s, Moose00s, Muskox00s, DallsSheep00s, Beaver00s, Hare00s, Muskrat00s, Wolf00s, Arcticfox00s, Colouredfox00s, Wolverine00s, Lynx00s, Arcticgroundskirrel00s, PolarBear00s, Porpoise00s, DallPorpoise00s, Seal00s, BeardedSeal00s, YoungBeardedSeal00s, FurSeal00s, HarborSeal00s, RibbonSeal00s, RingedSeal00s, SpottedSeal00s, RangerSeal00s, Sealsunspec00s, Harpseal00s, Hoodedseal00s, StellerSeaLion00s, Walrus00s, Belukha00s, Bowhead00s, BlueWhale00s, HumpbackWhale00s, Minke00s, Narwhal00s, Beluga00s, Ducks00s, Eider00s, Mallard00s, Oldsquaw00s, Pintail00s, Ducksunspec00s, Scoter00s, Wigeon00s, Geese00s, Brant00s, CanadaGoose00s, SnowGoose00s, WhiteFrontedGoose00s, Geeseunspec00s, RossGoose00s, Swan00s, Tundraswan00s, CrestedAuklet00s, Commonmerganser00s, Redbreastedmerganser00s, Scaup00s, Lesserscaup00s, GreaterScaup00s, Blackscoter00s, Whitewingedscooter00s, Surfscoter00s, Guillemot00s, Blackguillemot00s, Thickbilledmurre00s, Murre00s, Loon00s, Commonloon00s, Arcticloon00s, Redthroatedloon00s, Yellowbilledloon00s, Sandhillcrane00s, Ptarmigan00s, SnowyOwl00s, Gooseeggs00s, Duckeggs00s, Tundraswaneggs00s, Seagulleggs00s, Thickbilledmurreeggs00s, Blackguillemoteeggs00s, Eggunspec00s, Eiderdown00s, Clams00s, Crabs00s, KingCrab00s, TannerCrab00s, Shrimp00s, Mussels00s, latestyr, earliestyr70, earliestyr80, latestyr90, latestyr00.
frequencies variables=year_diff.

get file='adfg\aon_AKINUVNUN_harvest_80s.sav' /rename=(year=year80s).
variable labels year80s 'Year of 1980s study if any'.
match files
  file='adfg\aon_AKINUVNUN_harvest_90s.sav' /by aon_place.
variable labels year 'Year of 1990s study if any'.
recode allresources80s,allresources90s (0=0)(1 thru hi=1) into observ80s, observ90s.
variable labels
  observ80s 'Comprehensive harvest survey in 1980s'
  observ90s 'Comprehensive harvest survey in 1990s'.
value labels observ80s, observ90s 1 'yes'.
count observ8090s=observ80s,observ90s(1).
variable labels observ8090s 'Comprehensive harvest survey in 80s and 90s'.
frequencies variables=observ8090s.
do if (observ8090s eq 2).
compute allreschg=allresources90s-allresources80s.
end if.
variable labels allreschg 'change in kilograms per capita harvest 1980s to 1990s'.
frequencies variables=allreschg.
compute regioncode=admincode.
variable labels regioncode 'aon hybrid region unique code'.
sort cases by aon_place,year.
save outfile='adfg\aon_AKINUVNUN_harvest_8090s_all.sav' /keep=name, aon_place, year80s, year, SLiCA_place, commcode, regioncode, admincode, adminname, code, subnation, nationcode, nation, observ80s, observ90s, observ8090s, allresources80s, allresources90, allreschg, commpop80s, commpop90s, repyear80s, repyear90s, fish80s, fish90s, largelandmammals80s, largelandmammals90s, smalllandmammals80s, smalllandmammals90s, birds_eggs80s, birds_eggs90s, marineinvert80s, marineinvert90s, berries80s, berries90s, plants80s, plants90s, marinemammals80s, marinemammals90s, dolphin80s, dolphin90s, bottlenosedolphin80s, bottlenosedolphin90s, unkowndolphin80s, unkowndolphin90s, polarbear80s, polarbear90s, porpoise80s, porpoise90s, dallporpoise80s, dallporpoise90s, harberporpoise80s, harberporpoise90s, unkownporpoise80s, unkownporpoise90s, seal80s, seal90s, beardedseal80s, beardedseal90s, furseal80s, furseal90s, harborseal80s, harborseal90s, ribbonseal80s, ribbonseal90s, spottedseal80s, spottedseal90s, seaotter80s, seaotter90s, stellersealion80s, stellersealion90s, walrus80s, walrus90s, belukha80s, belukha90s, bowhead80s, bowhead90s, bluewhale80s, bluewhale90s, brydewhale80s, brydewhale90s, falsekillerwhale80s, faalsekillerwhale90s, finwhale80s, finwhale90s, graywhale80s, graywhale90s, humpbackwhale80s, humpbackwhale90s, killerwhale80s, killerwhale90s, minke80s, minke90s, pilotwhale80s, pilotwhale90s, rightwhale80s, rightwhale90s, seiwhale80s, seiwhale90s, spermwhale80s, spermwhale90s, ringedseal80s, ringedseal90s, harpseal80s, harpseal90s, hoodedseal80s, hoodedseal90s, narwhal80s, narwhal90s, decade, lagplace, earliestyr, latestyr.'
get file='adfg\aon_AKINUVNUN_harvest_8090s_all.sav'.
*display variables.
match files
file=* 
/in=subdata
/file='C:\Documents and Settings\Jack_user\My Documents\AON-HD\Database\akcalatlong.sav'
/in=geodata
/by aon_place.
count bothdata=subdata,geodata(1).
frequencies variables=subdata,geodata,bothdata.
select if (bothdata eq 2).
save outfile='adfg\aon_AKINUVNUN_harvest_8090s_all2.sav'.
get file='adfg\aon_AKINUVNUN_harvest_8090s_all2.sav'
/keep=name, aon_place, latitude, longitude, allresources80s, allresources90s, allreschg, year80s, year, SCA_place, commcode, regioncode, admincode, adminname, subcode, subnation, nationcode, nation, observ80s, observ90s, commpop80s, commpop90s, repyear80s, repyear90s, fish80s, fish9 largelandmammals80s, largelandmammals90s, smalllandmammals80s, smalllandmammals90s, birds_eg 80s, birds_eggs90s, marineinvert80s, marineinvert90s, berries80s, berries90s, plants80s, plants90s, marinemammals80s, marinemammals90s, dolphin80s, dolphin90s, bottlenosedolphin80s, bottlenosedolphin90s, unkowndolphin80s, unkowndolphin90s, polarbear80s, polarbear90s, porpoise80s, porpoise90s, dallporpoise80s, dallporpoise90s, harberporpoise80s, harberporpoise90s, unknownporpoise80s, unknownporpoise90s, seal80s, seal90s, beardedseal80s, beardedseal90s, furseal80s, furseal90s, harborseal80s, harborseal90s, ribbonseal80s, ribbonseal90s, spottedseal80s, spottedseal90s, seaotter80s, seaotter90s, stellersealion80s, stellersealion90s, walrus80s, walrus90s, belukha80s, belukha90s, bowhead80s, bowhead90s, bluewhale80s, bluewhale90s, brydewhale80s, brydewhale90s, falsekillerwhale80s, falsekillerwhale90s, finwhale80s, finwhale90s, graywhale80s, graywhale90s, humpbackwhale80s, humpbackwhale90s, killerwhale80s, killerwhale90s, minke80s, minke90s, pilotwhale80s, pilotwhale90s, rightwhale80s, rightwhale90s, seiwhale80s, seiwhale90s, spermwhale80s, spermwhale90s, ringedseal80s, ringedseal90s, harpseal80s, harpseal90s, hoodedseal80s, hoodedseal90s, narwhal80s, narwhal90s, decade, lagplace, earliestyr, latestyr.
display variables.

get file='adfg\top10species_names.sav'.
sort cases by species.
aggregate outfile='adfg\top10species_overall.sav'
/break=species
/numplaces=sum(number_places).
get file='adfg\top10species_overall.sav'.
file handle adfg /name='C:\Users\Jack\Documents\AON-HD\marine mammals'.
get file='adfg\aon_AKCA_harvest_comp_3decades.sav'.
crosstabs tables=observ00s by adminname.
crosstabs tables=observ90s by adminname.
frequencies variables=adminname.
frequencies variables=subnation.
frequencies variables=observ80s.
temporary.
select if (observ90s eq 1).
frequencies variables=allresources00s/statistics=mean.

get file='adfg\aon_AKCA_harvest_comp_80s.sav'.

get file='adfg\aon_AKCA_harvest_all.sav'.
frequencies variables=year.
frequencies variables=adminname.

get file='adfg\aon_AKCA_harvest.sav'.
frequencies variables=subnation.