**Homework 5**

**ACS data**

1. **Download the ACS data set**

Graphical user interface, application

Description automatically generated

* 1. **Read the files in ACS Data folder on Canvas.**
  2. **Give an alphabetical list of names of the variables and reasons they should not be used to estimate the state population mean of INTP.**

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| **Column Name** | **Data Meaning** | **Why should it be eliminated** |
| RT | Record type | Since we are using just the “P” in our data, we do not need this column. Every data will be going to be the same with the letter “P”. |
| SERIALNO | Housing unit serial number | Serial number is not necessary in estimating INTP, which is interest, dividends, and rental income. |
| DIVISION | Division code | Division code is not necessary because I am especially focusing on the state SC, which my data is all “5”, South Atlantic (South region). |
| REGION | Region code | Region code is not necessarily similar to the reason why DIVISON is not necessary. For the state SC, all the datasets region code is 3, South. |
| ST | State code | State code is not necessarily similar to the reason why DIVISION and REGION is not necessary. For the state SC, all the dataset state code is 45, South Carolina. |
| DRAT | Veteran service-connected disability rating | We do not need this information because this column is not related to what we are looking for, which is interest, dividends, and rental income. |
| DRATX | Veteran service-connected disability rating | We do not need this information because this column is not related to what we are looking for, which is interest, dividends, and rental income. |
| ENG | Ability to speak English | Ability to speak English do not affect mean of interest, dividends, and rental income. |
| FER | Gave birth to child within the past 12 months | This information is not necessary because it does not relate to what we are looking for. |
| GCL | Grandparents living with grandchildren | We do not need this information because this column is not related to what we are looking for, which is interest, dividends, and rental income. |
| GCR | Grandparents responsible for grandchildren | Anything related to Grandparents are not the important factor here since we aim to get the mean of INTP. |
| HINS1 through HINS7 | Related to health care and health service | HINS\_ is not important because our purpose is not necessarily focused on healthcare service. |
| JWMNP | Travel time to work | Travel time to work is not important because it is not related to INTP. |
| JWTRNS | Means of transportation to work | Transportation to work is not important in measuring INTP. |
| LANX | Language other than English spoken at home | It is not related to measuring INTP. |
| MAR | Marital status | If the person’s married or not is not the important factor in measuring INTP. |
| MARHD  MARHM  MARHT  MARHW  MARHYP | Divorced in past 12 months,  Married in past 12 months,  Number of times married,  Widowed past 12months,  Year last married | Information about divorce, engage and its frequency is not a factor in measuring INTP. |
| MIL  MLPA  MLPB  MLPCD  MLPE  MLPFG  MLPH  MLPI  MLPJ  MLPK | Military service  Served Sep 2001 or later  Served Aug 1990 – Aug 2001  Served May 1975 – July 1990  Served Vietnam era  Served Feb 1955 – July 1964  Served Korean War  Served Jan 1947 – June 1950  Served world war II  Served Nov 1941 - earlier | If it is something related to retirement, survivor, or disability pensions during past 12 months, it could be not on the list, but these are not necessary. |
| RELSHIPP | Relationship | Relationship is not an important factor in estimating INTP. |
| ANC  ANC1P  ANC2P | Ancestry code  Recoded detailed ancestry  Recoded detailed ancestry | We do not need this information because this column is not related to what we are looking for, which is interest, dividends, and rental income. |
| Decade | Decade of entry | Referring to the CE data, the decade seems vague and not related to what we are looking for. |
| DIS | Disability recodes | Disability is not a necessary feature. |
| FOD1P  FOD2P | Recoded field of degree -1  Recoded field of degree - 2 | Degree is not necessary when measuring interest, dividends and rental income. |
| HICOV | Health insurance coverage recode | Health insurance does not provide the related data of interest, dividends and rental income. |
| HISP | Recoded detailed Hispanic origin | Race is not an important factor of measuring state population mean of INTP. |
| INDP | Industry recodes for 2018 and later based on 2017 IND codes | Industry job fields are not necessary in measuring INTP. |
| JWAP  JWDP | Time of arrival at work  Time of departure for work | Time of departure and arrival at work is not related to interest, dividend and rental income. |
| LANP | Language spoken at home | Which language each person speaks at home is not related to INTP. |
| MIGPUMA  MIGSP | Migration PUMA  Migration recodes | We do not need this information because this column is not related to what we are looking for, which is interest, dividends, and rental income. |
| MSP | Married, spouse present/ spouse absents | We do not need this information because this column is not related to what we are looking for, which is interest, dividends, and rental income. |
| NAICSP | North American industry classification system recode for 2018 and later added | NAICS is not necessarily related to INTP. |
| NATIVITY  NOP | Nativity  Nativity of parent | We do not need this information because this column is not related to what we are looking for, which is interest, dividends, and rental income. |
| OCCP | Occupation recode | Just like INDP, job fields are not necessary in measuring INTP. |
| OC  PAOC | Own child  Presence and age of own children | Whether the spouse is own child is not important in measuring what we are looking for. |
| POBP | Place of birth | Since we are looking to get the state population mean of INTP, place of birth is not important factor. |
| PRIVCOV  PUBCOV | Private health insurance coverage  Public health coverage recode | Health insurance coverage is not an important factor in getting interest, dividend, and rental income. |
| QTRBIR | Quarter of birth | Birth month is not necessary. |
| RAC1P  RAC2P  RAC3P  RACAIAN  RACASN  RACBLK  RACNH  RACNUM  RACPI  RACSOR  RACWHT | Recoded detailed race  Recoded detailed race  Recoded detailed race  American Indian and Alaska native recodes  Asian recode  Black or African American recode  Native Hawaiian recodes  Number of major race groups represented  Another pacific islander recode  Some other races recode  White recodes | Race-related columns can be eliminated from the data since race is not a necessary feature of determining INTP. |
| RC | Related child | Related child is not an important factor of interest, dividend and rental income. |
| SCIENGP  SCIENGTLP | Field of degree science and engineering flag  Field of degree science and engineering related flag | Similar to the above, major and degree is not important determining INTP. |
| SFN  SFR | Subfamily number  Subfamily relationship | We do not need this information because this column is not related to what we are looking for, which is interest, dividends, and rental income. |
| SOCP | Standard occupational classification codes for 2018 and later based on 2018 SOC codes | Classification codes for standard occupation is not important in determining the INTP |
| VPS | Veteran period of service | Similar to the military service, this column is not necessary for estimating INTP. |
| **ALLOCATION FLAG**  FAGEP  FANCP  FCIP  FCITWP  FCOWP  FDDRSP  FDEARP  FDEYEP  FDISP  … | Allocation flag of age, ancestry, citizenship | This is just an allocation flag and is not necessary columns estimating state population mean of INTP. |
| **PGWTP\_**  PGWTP1  …  PGWTP80 | Person record replicate weights | Since we are using PGWTP, we do not need PGWTP1 ~ PGWTP80. |