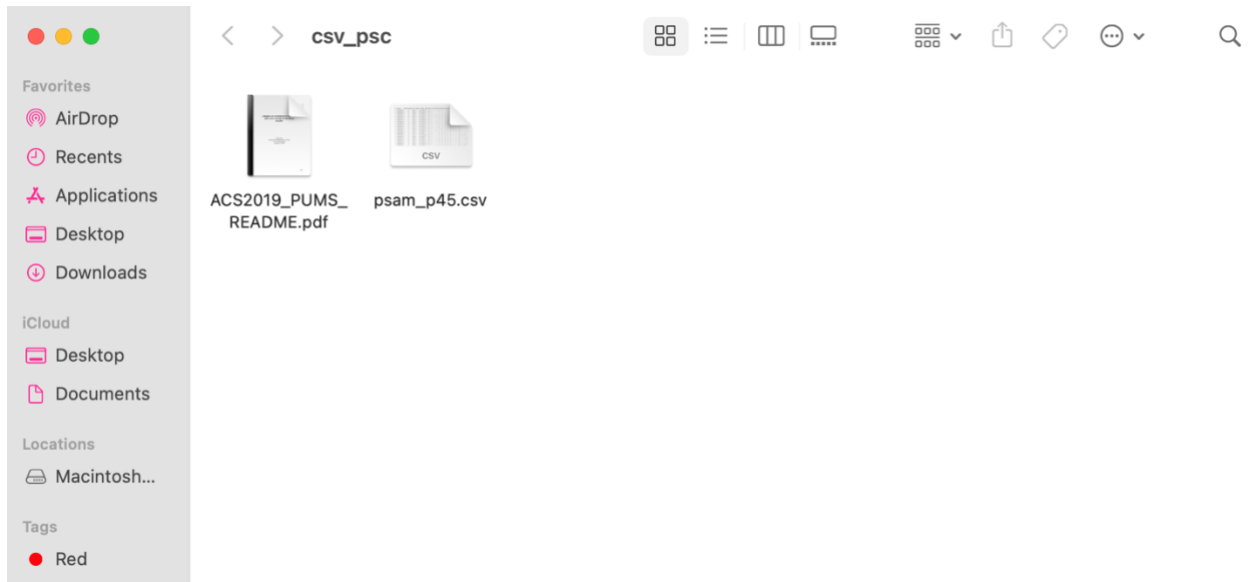


Homework 5

ACS data

1. Download the ACS data set



2.

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

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	Military service Served Sep 2001 or later	If it is something related to retirement, survivor, or disability pensions during

MLPB MLPCD MLPE MLPFG MLPH MLPI MLPJ MLPK	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	past 12 months, it could be not on the list, but these are not necessary.
RELSHIP	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 SCIENGTL P	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.