Mig\_Estimate: gross migration flows [here](https://www.census.gov/data/tables/time-series/demo/geographic-mobility/state-to-state-migration.html)

Distance: should be able to use the U.S. Department of Defense Official Table of Distances. Try this link: <https://www.nber.org/research/data/city-distance-database-place-distance-database>

My (Will) browsers aren’t letting me access their website; after calling tech support, apparently there is an application process we will need to go through to get this data. Other research papers I’ve found seem to use this table as the standard measure of road distances. Where did you get this because I can try

Pop\_orig: 2010-2019 [here](https://www.census.gov/data/tables/time-series/demo/popest/2010s-state-total.html#par_textimage_1574439295). More possibilities below in red

Children\_018\_orig through Adults\_65\_orig [here](https://www.census.gov/data/tables/time-series/demo/popest/2010s-state-detail.html)

[This](https://www2.census.gov/programs-surveys/popest/tables/2010-2019/state/asrh/sc-est2019-agesex-civ.csv) has 2010-2019 census data by state, by year, and by age (layout [here](https://www2.census.gov/programs-surveys/popest/technical-documentation/file-layouts/2010-2019/sc-est2019-agesex-civ.pdf), information found on [this page](https://www.census.gov/data/datasets/time-series/demo/popest/2010s-state-detail.html) under Single Year of Age and Sex Population Estimates: April 1, 2010 to July 1, 2019 - CIVILIAN (SC-EST2019-AGESEX-CIV)). Data for 2000-2010 can be found under same heading on [this page](https://www.census.gov/data/datasets/time-series/demo/popest/intercensal-2000-2010-state.html) ([data](https://www2.census.gov/programs-surveys/popest/datasets/2000-2010/intercensal/state/st-est00int-agesex.csv) and [layout](https://www2.census.gov/programs-surveys/popest/technical-documentation/file-layouts/2000-2010/intercensal/state/st-est00int-agesex.pdf)) This stuff should work fine for Pop\_orig as well if we want to use it.

Urban\_rural\_orig [some data here](https://www2.census.gov/programs-surveys/decennial/tables/1990/1990-urban-pop/urpop0090.txt)

Health\_Adults\_orig: [here](https://usa.ipums.org/usa/acs_healthins.shtml) couldn't find self reported but found health insurance. [Here](https://www.kff.org/other/state-indicator/adult-self-reported-health-status/?currentTimeframe=4&sortModel=%7B%22colId%22:%22Location%22,%22sort%22:%22asc%22%7D) is self-reported 2013-2016

Health\_Adults\_orig through Other\_orig [here](https://www.kff.org/other/state-indicator/percent-of-adults-reporting-fair-or-poor-health-status-by-raceethnicity/?currentTimeframe=0&selectedRows=%7B%22states%22:%7B%22all%22:%7B%7D%7D,%22wrapups%22:%7B%22united-states%22:%7B%7D%7D%7D&sortModel=%7B%22colId%22:%22Location%22,%22sort%22:%22asc%22%7D) having trouble finding pre-2013 data

Coll\_Educ\_orig: [found attainment levels here](https://www.census.gov/data/tables/2021/demo/educational-attainment/cps-detailed-tables.html). More stuff [here](https://www.sreb.org/post/education-attainment-adult-population-raceethnicity) (See “Attainment 25+ by race and gender” totals, starting column MM. Missing a lot of years.

Homicide\_Rate\_orig and Homic\_death\_orig [here](https://www.cdc.gov/nchs/pressroom/sosmap/homicide_mortality/homicide.htm). 2000-2016 data [here](https://deathpenaltyinfo.org/facts-and-research/murder-rates/murder-rates-by-state) (download link in graph)

Kauf\_me\_orig through Kauf\_zindex\_orig [here](https://indicators.kauffman.org/data-tables/earlystage). Better link [here](https://indicators.kauffman.org/data-downloads) (2021 data has everything we need. Column headers are just abbreviations of the different Kauffman metrics we need in L->R order)

Unemp\_tot\_orig possibly useful chart at bottom [here](https://www.bls.gov/news.release/laus.nr0.htm)

Unemp\_rate\_orig [here](https://www.bls.gov/web/laus/laumstrk.htm). 2000-2016 data [here](https://fredaccount.stlouisfed.org/datalists/287682/download) (change observation range to the following: 2000-01-01 to 2016-08-01. If the link doesn’t work, I (Will) have a spreadsheet with the actual spreadsheet w/ data downloaded. I can send it to you (note to self, it is named “Unemp\_rate\_data.xls” in your downloads folder))

dems\_share\_state\_leg\_orig through dems\_control\_government and reps\_control\_government [here](https://ballotpedia.org/Historical_partisan_composition_of_state_legislatures#Alabama) under current partisan composition > history of house or senate for each state

Dem\_Share\_Prez\_orig and Rep\_Share\_Prez\_orig 2000-2016 [here](https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/42MVDX)

Dem\_Share\_President\_Two\_orig and Rep\_Share\_President\_Two orig stuff by year [here](https://uselectionatlas.org/RESULTS/)

MHV\_Nom\_orig [here](https://www.zillow.com/research/data/) for **“typical home value”, not median home value**. Under ‘HOME VALUE’, set ‘Data Type’ to \_?\_, Geography to ‘State’. For Median List price, scroll down to find Median List Price and Median Sale Price, but this is only by metro area, not state.

MGR\_Nom\_orig [here](https://www.indexmundi.com/facts/united-states/quick-facts/all-states/median-gross-rent#table)

AGR\_Nom\_orig gotchu Will [here](https://usa.ipums.org/usa-action/variables/RENTGRS#codes_section) (have to download a dataset, as in request it)

Median\_House\_Value\_adj\_orig [here](https://www.experian.com/blogs/ask-experian/research/median-home-values-by-state/) with CPI conversion (base year 2018) [here](https://www.bls.gov/regions/southwest/data/consumerpriceindexcyhistorical_southwest_table.htm) (CPI 2018 [housing] = 3.0)

Median\_Gross\_Rent\_adj\_orig [here](https://www.indexmundi.com/facts/united-states/quick-facts/all-states/median-gross-rent#table) with CPI conversion (base year 2018) [here](https://www.bls.gov/regions/southwest/data/consumerpriceindexcyhistorical_southwest_table.htm) (CPI 2018 [housing] = 3.0)

Average\_Gross\_Rent\_adj\_orig [here](https://usa.ipums.org/usa-action/variables/RENTGRS#codes_section) with CPI conversion (base year 2018) [here](https://www.bls.gov/regions/southwest/data/consumerpriceindexcyhistorical_southwest_table.htm) (CPI 2018 [housing] = 3.0)

GoodDays\_orig [here](https://aqs.epa.gov/aqsweb/airdata/download_files.html#Annual) by city and county (click this one for our data: [annual\_aqi\_by\_county\_2016.zip](https://aqs.epa.gov/aqsweb/airdata/annual_aqi_by_county_2016.zip)), state-level data ??

hdd\_orig cities [here](https://www.ncei.noaa.gov/cag/statewide/time-series/1/cdd/12/9/2000-2016?base_prd=true&begbaseyear=1901&endbaseyear=2000) for cooling degree days, but not a downloadable chart for all states.

Inc\_Corp\_Tax\_orig [here](https://taxfoundation.org/publications/state-corporate-income-tax-rates-and-brackets/)

StateGDP\_Millions\_orig [here](https://apps.bea.gov/regional/histdata/) for all relevant data ([2000-2015](https://apps.bea.gov/regional/histdata/releases/0616gsp/index.cfm), [2016](https://apps.bea.gov/regional/histdata/releases/0517gdpstate/index.cfm))

PDSI\_Value\_orig, PDSI\_Rank\_orig, PDSI\_Anomaly\_orig found [this](https://www.ncei.noaa.gov/access/monitoring/historical-palmers/)

Got email back: PDSI\_Value\_orig [here](https://www.ncei.noaa.gov/pub/data/cirs/climdiv/climdiv-pdsist-v1.0.0-20221006). The format looks crazy. It’s under “file format” [here](https://www.ncei.noaa.gov/pub/data/cirs/climdiv/state-readme.txt). The first 3 digits of the far-left 10-digit code accord to a state under “state code table” (STAXXXXXXX). On this link, the far-left code will always look something like this XXXX05XXXX, meaning that you are looking at PDSI values. The last 4 digits of this far-left code are the year of observation (XXXXXXYEAR). For example: 0010052016 are the PDSI values for state 001 (AL) in 2016. The 12 sets of 3-digit numbers to the right of this 10-digit code are left-justified monthly values for the PDSI, or whatever other variable you might be looking at.

Average\_orig ?? found a variety of things [here](https://droughtmonitor.unl.edu/DmData/DataDownload.aspx). Weeks in drought > non-consecutive weeks in drought has this (kind of) by county

Reg\_Pri\_Par\_orig [here](https://www.bea.gov/news/2021/real-personal-consumption-expenditures-and-personal-income-state-2020) near bottom of page (2016 [here](https://www.bea.gov/news/2018/real-personal-income-states-and-metropolitan-areas-2016))

Econ\_Free\_Sum\_orig [here](https://www.fraserinstitute.org/economic-freedom/dataset?geozone=na&selectedCountry=USA&year=2019&page=dataset&min-year=2&max-year=0&filter=0&sort-field=year&sort-reversed=0) (click “download entire dataset” in the green bubble)

Homeown\_Perc\_orig [here](https://ipropertymanagement.com/research/homeownership-rate-by-state)

Median\_HHI\_orig [here](https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-income-households.html) table h-8, also has 2021$-adjusted incomes

Median\_HHI\_adj\_orig [here](https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-income-households.html) table h-8, with CPI conversion (base year 2018) [here](https://www.bls.gov/regions/southwest/data/consumerpriceindexcyhistorical_southwest_table.htm) (CPI 2018 [all items] = 1.9)

**^^These all can just be used for destination states as well^^**