**Real Estate Project Pseudo Code**

1. Import/download 5-10 years of Employment Data
   1. Download . [https://www.bls.gov/cew/downloadable-data-files.htm](https://www.bls.gov/cew/downloadable-data-files.htm" \t "_blank) xls files All County, High level Annual reports
      1. The XLS files will require less filtering than the CSV files which do not have human readable locations/industry codes/and other info. You would have to do a replace/sort against source tables..may be a way around that
   2. Import XLS or convert XLS to CSV
   3. Read into Panda Dataframe
   4. Drop all fields except for Year, Area Type, St Name, Area, Industry, Annual Average Employment, Annual Total Wages, Annual Average Pay, Employment Location Quotient Fields
   5. Make Industry Column Human readable by stripping all Integers from String
   6. Group Data Frame by State and Metro Area
   7. Sort by Annual Average Total Wages or Average Pay

Data is ready for merging with HPI Data