**The U.S. Bureau of Labor Statistics (BLS) Employment Projections program produces national forecasts for 10 years in the future.**

*Employment Projections:*

(html view: <https://data.bls.gov/projections/occupationProj>)

Data Definitions: <https://www.bls.gov/emp/documentation/nem-definitions.htm>

All Flat Files: <https://www.bls.gov/emp/data/occupational-data.htm>

We want table 1.7 Occupational Projections:  
<https://www.bls.gov/emp/tables/occupational-projections-and-characteristics.htm>

^ There’s a link to the xlsx flat file on the page above. We’ll need to filter on occupations with 15- and 25- prefixes. The xlsx file gives you all the tables, each on its own tab.

**BLS occupational data relies on a framework that divides the job market into classifications and uses a standardized name and description of each of almost 800 occupations surveyed.**

*If we want to do matching on any kind of keywords…*

There are detailed definitions of each occupation available in a flat file on this page: <https://www.bls.gov/soc/2018/#materials>

Go to the 2018 SOC Downloadable Materials area > 2018 SOC Definitions > XLSX

(Again, we’ll need to extract the 15- and 25- codes)

**Separate from forecasting data, the BLS collects data from employers nationwide to produce annual employment and wage estimates. The wage information is used directly in the Employment Projections forecast above.**

*If we want to try to match on current quantity of jobs or wages:*

The most recent employment and wages information is the May 2019 National Occupational Employment and Wage Estimates (released March 31, 2020)

Here is a readout of the data specific to occupation code 15-0000 Computer and Mathematical Occupations: <https://www.bls.gov/oes/current/oes150000.htm#nat>

Get the flat file here: <https://www.bls.gov/oes/tables.htm>

We want May 2019 > National (second bullet) > XLS file and then narrow on column *occ\_code* for all items that start with prefix “15-”.

(html version: <https://www.bls.gov/oes/current/oes_nat.htm>)

Data Type information: <https://download.bls.gov/pub/time.series/oe/oe.datatype>

*I looked into the files that describe the industries that employ ‘15-’ Computer and Mathematical Occupations, but I think that’s a level of complexity that’s not relevant to this project.*