X28 Data

01 Notebook: This notebook computes skill frequencies, with languages grouped together. It stores the frequency data for each skill.

02 Notebook 2: In this notebook, we map X28 jobs to ISCO classifications and calculate skill frequencies on the ISCO level.

For this task, we rely on the following resources:

1. \*\*ISCO-X28 Mapping:\*\* Back in 2021, Rahel and I constructed and manually refined the 'isco\_map\_corrected.csv'. This mapping assigns an ISCO code to each of the 2500 X28 job tags. With this mapping, we can classify each X28 job into an ISCO category.

2. \*\*Translated ISCO Tags:\*\* We have the 'isco\_tags\_translated.csv,' which contains translated ISCO tags. These translations are required for a small NLP subpart of our analysis.

I upload both these files to this folder – updated versions of those from 2022.

Each X28 job typically has multiple tags, and we've employed an NLP-based approach to determine the best ISCO match.

Given the computational intensity of our work, we save intermediate results at each step in our notebooks. Consequently, the notebook has 4 distinct parts.

Additionally, Part 5 of the notebook uses the mapping from Part 4 to construct frequency data for skills associated with each ISCO job. This results in a table with 454 rows, one for each ISCO job, and columns that correspond to skills. The values in this table represent the frequency of each skill for a particular ISCO job. year.