Income Occupation Gender

Dataset: <https://www.kaggle.com/jonavery/incomes-by-career-and-gender>

In this dataset, we have the following attributes:

· Occupation- Job title as given from BLS.

· All\_workers- Number of workers male and female, in thousands.

· All\_weekly- Average weekly income including male and female workers, in USD.

· M\_workers- Number of male workers, in thousands.

· M\_weekly- Average weekly income for male workers, in USD.

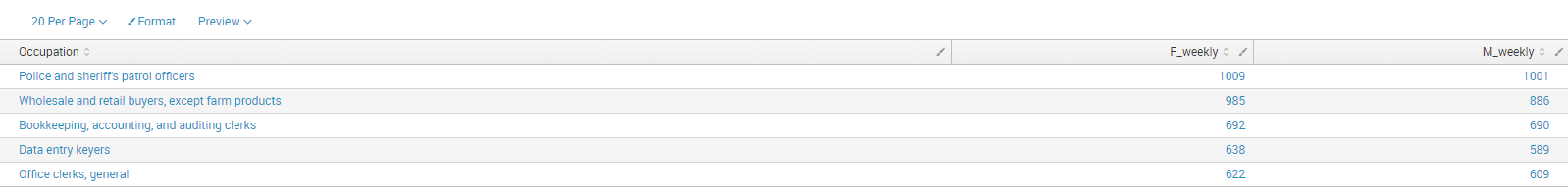
· F\_workers- Number of female workers, in thousands.

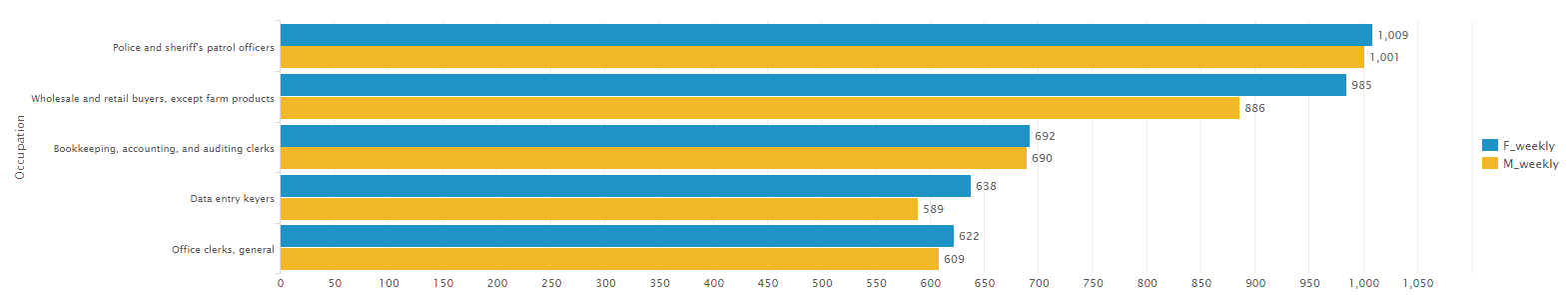
· F\_weekly- Average weekly income for female workers, in USD.

Q. Find the top 10 occupations where average weekly income of females is greater

than that of males

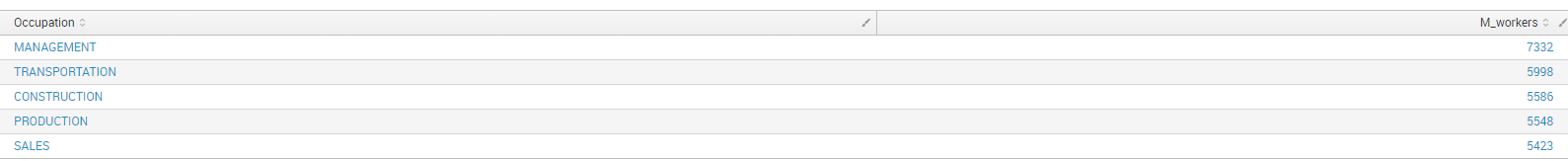
source="inc\_occ\_gender.csv" F\_weekly!=Na M\_weekly!= Na | where M\_weekly < F\_weekly | Top F\_weekly M\_weekly by Occupation | sort -F\_weekly -M\_weekly| table Occupation F\_weekly M\_weekly

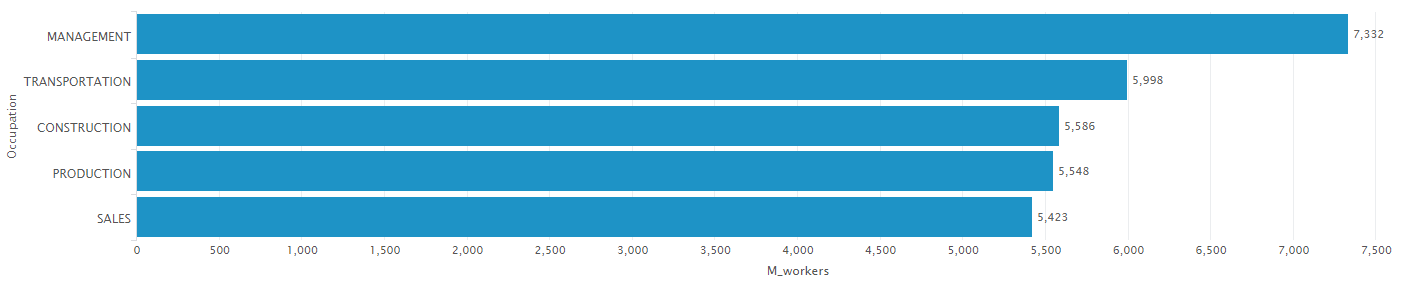




Q. Find top 5 occupations with highest number of male workers

source="inc\_occ\_gender.csv" Occupation!="ALL OCCUPATIONS" | sort -M\_workers | head 5 | table Occupation M\_workers





Q. Calculate the differences between income of males and females in the highest and lowest paid occupations.

Highest:

source="inc\_occ\_gender.csv" All\_weekly!=Na M\_weekly!=Na F\_weekly!=Na | sort -All\_weekly | head 1 | eval sal\_diff=ABS(M\_weekly-F\_weekly) | table sal\_diff

Answer: 415

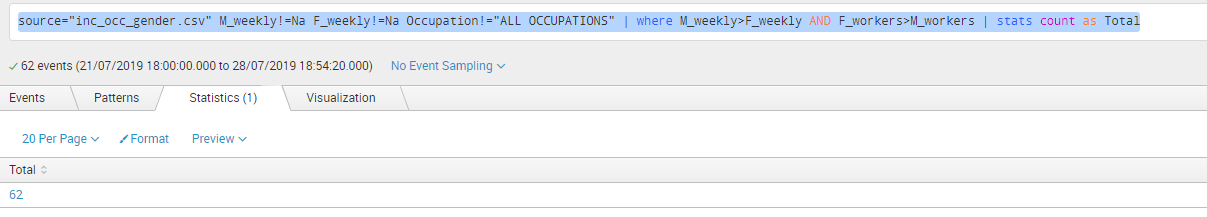
Lowest:

source="inc\_occ\_gender.csv" All\_weekly!=Na M\_weekly!=Na F\_weekly!=Na | sort +All\_weekly | head 1 | eval sal\_diff=ABS(M\_weekly-F\_weekly) | table sal\_diff

Answer: 21

Q. Calculate the total number of occupations where males are paid higher than females but female workers are higher in number

source="inc\_occ\_gender.csv" M\_weekly!=Na F\_weekly!=Na Occupation!="ALL OCCUPATIONS" | where M\_weekly>F\_weekly AND F\_workers>M\_workers | stats count as Total



Q. Find the second least paid occupation in USA.

source="inc\_occ\_gender.csv" All\_weekly!=Na Occupation!="ALL OCCUPATIONS" | sort +All\_weekly | head 2 | reverse | head 1 | table Occupation All\_weekly

Answer: Combined food preparation and serving workers, including fast food.

