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.

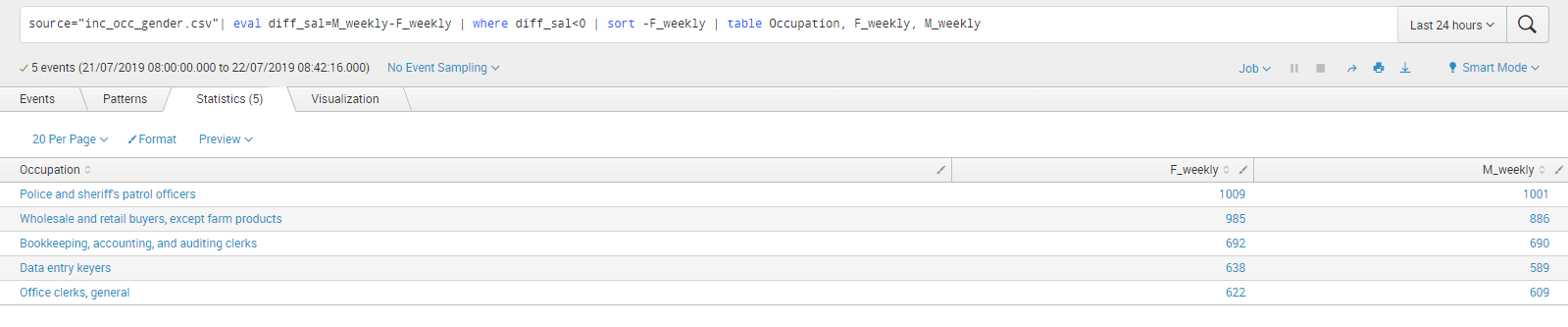
· F\_workers- Number of female workers, in thousands.

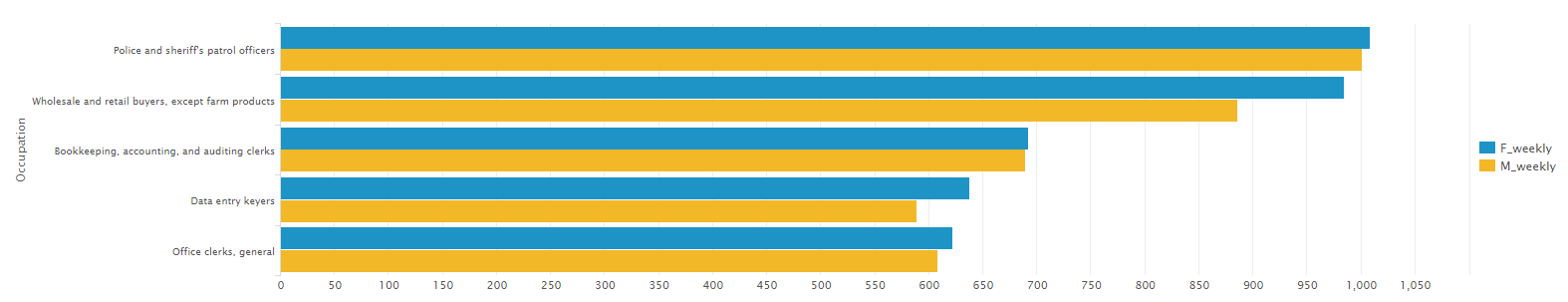
· F\_weekly- Average weekly income for female workers, in USD.

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

than that of males

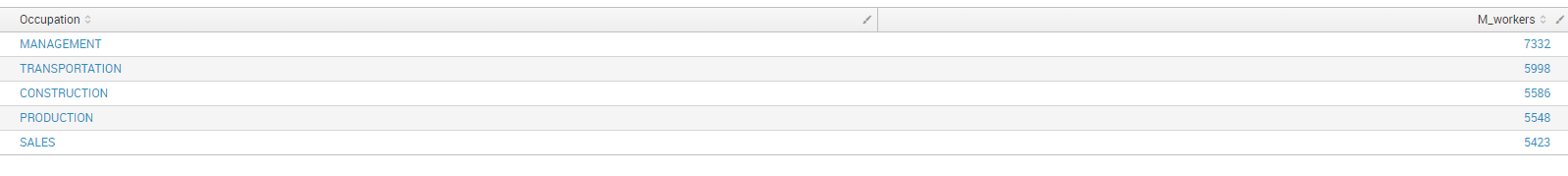
source="inc\_occ\_gender.csv"| eval diff\_sal=M\_weekly-F\_weekly | where diff\_sal<0 | sort -F\_weekly | table Occupation, F\_weekly, M\_weekly

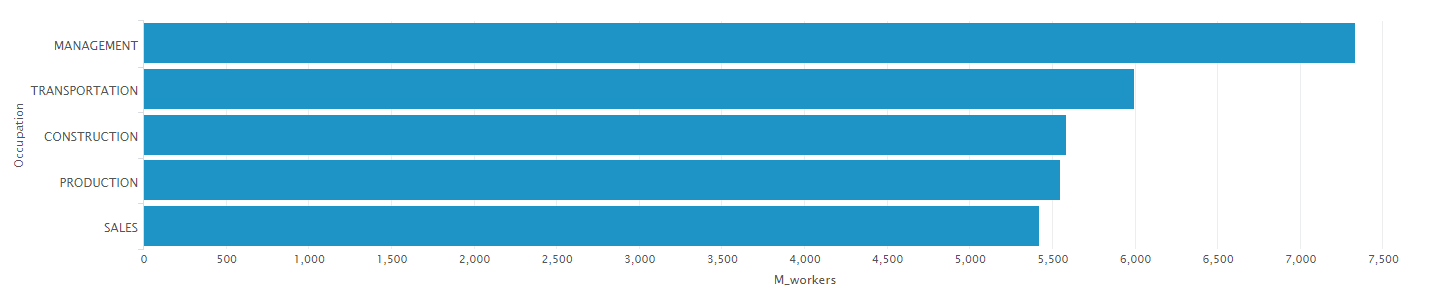




Q. Find top 5 occupations with highest number of male workers

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" NOT Na | eval max\_sal=Max(M\_weekly,F\_weekly) | sort -max\_sal | head 1 | eval sal\_diff=ABS(M\_weekly-F\_weekly) | table sal\_diff

Answer: 415

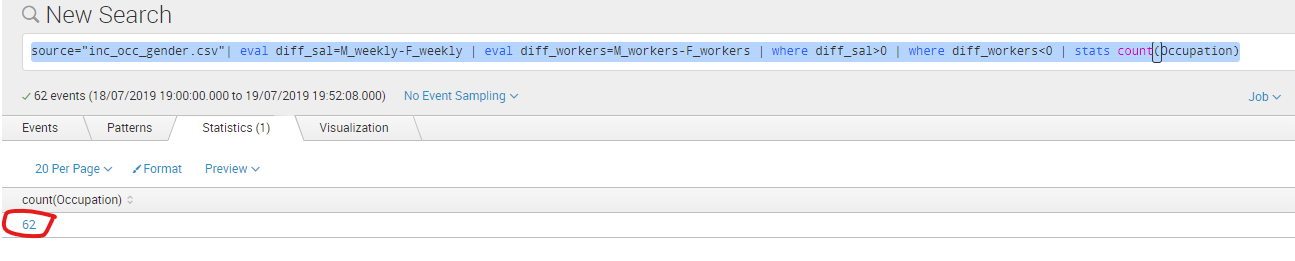
Lowest:

source="inc\_occ\_gender.csv" NOT Na | sort +all\_weekly | head 1 | eval sal\_diff=ABS(M\_weekly-F\_weekly) | table sal\_diff

Answer: 38

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"| eval diff\_sal=M\_weekly-F\_weekly | eval diff\_workers=M\_workers-F\_workers | where diff\_sal>0 | where diff\_workers<0 | stats count(Occupation)



Q. Find the second least paid occupation in USA.

source="inc\_occ\_gender.csv" NOT Na | sort -all\_weekly | head 2 | reverse | head 1

Answer: ‘Laborers and freight, stock, and material movers, hand’ with all\_weekly income of 526 which is just above ‘Packers and packagers, hand’ having all\_weekly income of 438.