Salary Analysis

Dongjie Tang CS591

Goals

Industry salary conditions

What positions/industry are well-paid

Requirements for high salary

Certificates vs Working Experience

Dataset

2014 Boston annual salary reports

Columns we use:

Titles, Department names, injured salary, regular salary, total salary, overtime salary and retroactive salary

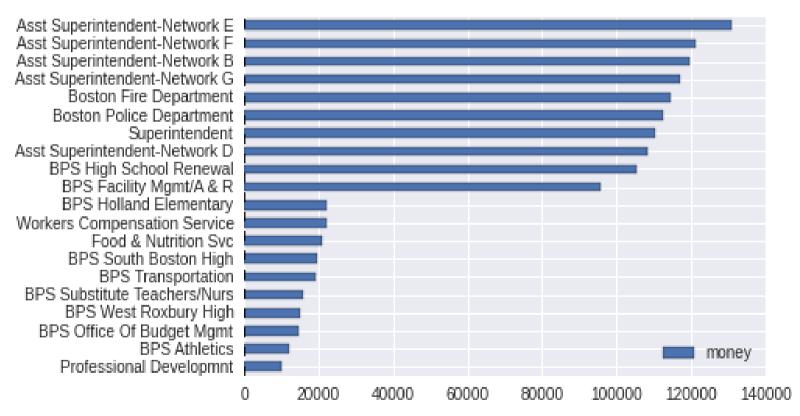
2014 Boston Employment statistics

Columns we use:

Titles, Median salary, Experience, Training period, education

Industry salary conditions

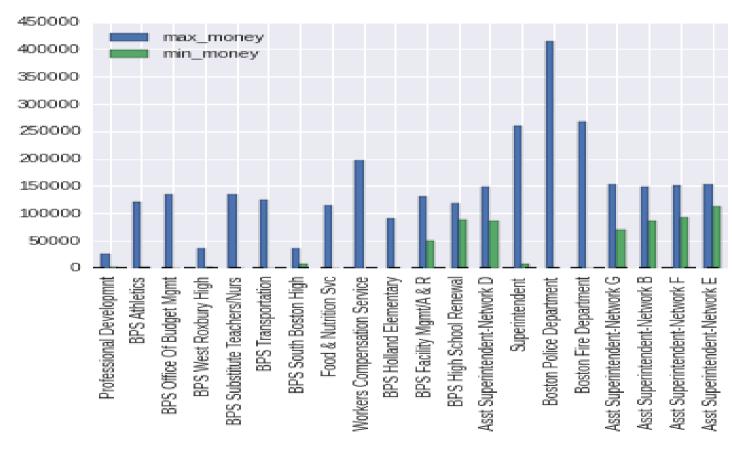
Top 10 and last 10 industries based on salary



The amount of money

Industry salary conditions

Min salary vs max salary



Name of industries

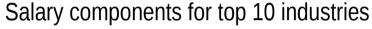
Well-paid positions (police)

- Techniques: svd +K-mean clustering+svm
- Positions earn least:

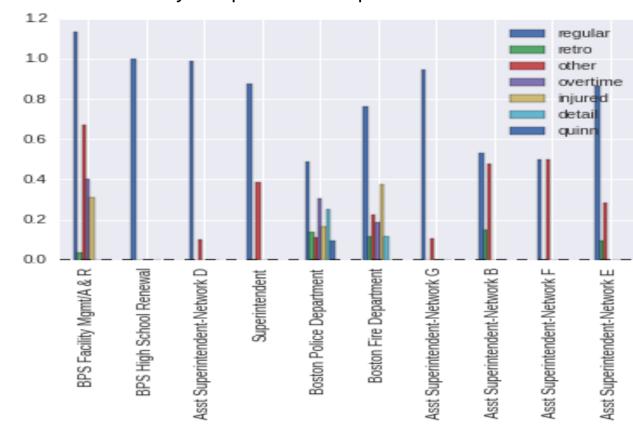
Positions	Revelant Industry
Jr Building Custodian	0
Asst Prin Accountant	0
Liaison Agent (BPD)	0
School Traffic Supv	0
Asst Prin Accountant	0
Police Offc/Auto Invest	1
Criminalist II	0
Exec Asst	0
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Different components of salary

 For each highly-paid industry, which part of salary mainly contributes to the total salary (Linear regression)



coefficient



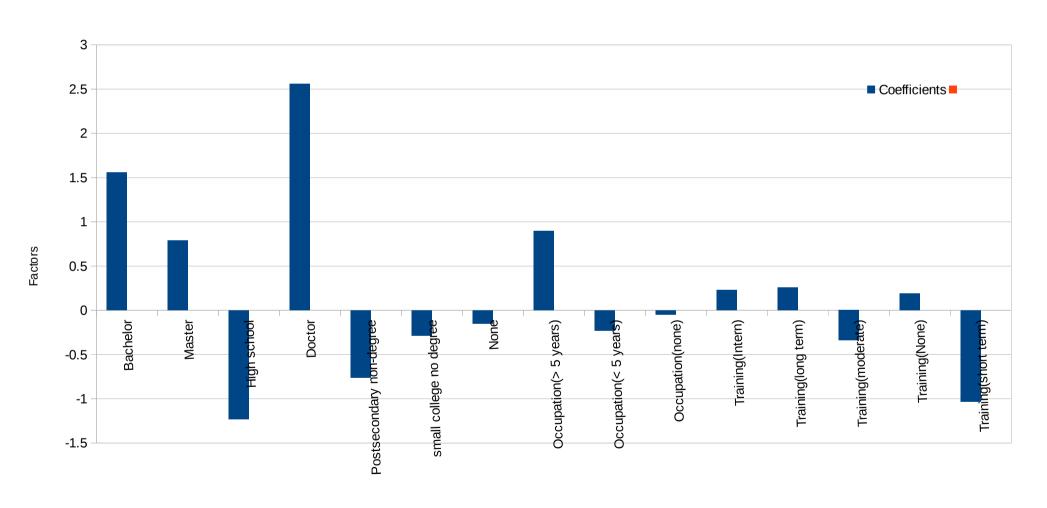
Highly-paid position and Industry

• Techniques: gensim library, STOP WORDS, counter libraries

Position Names	Industry names
chief	Police
supivisor	superintendent
director	engineer
senior	millitant
manager	medical
officer	

Requirements for highly paid position and industry(logist regression)

Requirements for high salary



Results based on tables

 Bachelor's degree is very important for job hunting

 Only more than 5 years' experience can work for your profile.

 Doctor certificate will have a very important role on your salary