

# Predicting the Job Market



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# The Problem

Do certain similar job titles pay more than others?  
Is the job market different in different cities?  
Can we predict if a job posting pays well?  
Can we use this info to poach cheap talent?



# The Procedure

Scraped over 23,000 job postings on indeed.com  
Isolated posts with salary info / dropped duplicates  
Classified jobs as high or low pay  
Created several different models and chose the best one  
Fed combinations of job titles/locations into model

# Buzz Words/Phrases

Data Science

Machine Learning

Data Engineering

Quantitative Analysis



# Zzz Words

Research  
Analysis  
Statistics  
Database  
Developer



# High-paying Cities (for Data Science)

San Francisco  
Washington D.C.  
Philadelphia  
Los Angeles  
Austin



# Low-paying Cities

Portland  
Phoenix  
Pittsburgh  
Dallas  
Houston





# Recommendations

Avoid buzz-words in your job title posting

Call your work 'research' if you can do so ethically

Consider outsourcing to cities with lower cost of living