

# Want to get paid?

A deep dive into Data Science job postings on Glassdoor.com

By Jason Palumbo



# An Introduction

What features of a job listing can best predict the salary of a paid work position within the field of Data Science?



2/2/20XX

# Methodology

## Feature Rich Data

A screenshot of the Glassdoor website's job search results page. The search criteria are 'Data Scientist' and 'Ohio'. The page shows a list of job listings on the left and a detailed view of a specific job on the right. Arrows from the 'Methodology' and 'Feature Rich Data' labels point to various elements on the page.

**glassdoor** Data Scientist Ohio

Jobs Companies Salaries Interviews For Employers Post Jobs

All Job Types Posted Any Time \$60K-\$151K 25 Miles More Create Job Alert

Most Relevant 232 Data Scientist Jobs in Ohio

- Battelle** 3.8 ★  
Senior Data Scientist  
Columbus, OH  
\$87K - \$135K (Glassdoor est.)  
Viewed on September 23 30d+
- Huntington Bank** 3.9 ★  
Data Scientist - Natural Language Programming (NLP) Focus  
Columbus, OH  
\$50K - \$93K (Glassdoor est.) 30d+
- Hexion Inc.** 3.9 ★  
Supply Chain Data Scientist  
Columbus, OH  
\$62K - \$103K (Glassdoor est.) 30d+
- Progressive** 3.9 ★  
Data Scientist Senior or Lead  
Cleveland, OH  
\$90K - \$129K (Employer est.) 30d+
- Revel IT** 4.9 ★  
Data Scientist, remote | 695102  
Ohio Easy Apply 30d+
- Revel IT** 4.9 ★  
Senior Cloud Data Engineer | 697196  
Dublin, OH

**Battelle** 3.8 ★  
**Senior Data Scientist**  
Columbus, OH  
\$87K - \$135K (Glassdoor est.)

Apply Now Save

Job Salary Company Rating Reviews Why Work With Us Benefits

Battelle delivers when others can't. We conduct research and development, manage laboratories, design and manufacture products and deliver critical services for our clients—whether they are a multi-national corporation, a small start-up or a government agency.

We recognize and appreciate the value and contributions of individuals with diverse backgrounds and experiences and welcome all qualified individuals to apply.

**JOB SUMMARY**

Battelle's Trust and Assurance Cyber Analytics Department is seeking a **Senior Data Scientist** to work in our **Columbus, Ohio** location.

"From Silicon to Systems" - We are an elite, multi-disciplinary team, bringing together the brightest minds from



# Data Transformations And Cleaning

"natural language  
processing"

"machine learning"

"artificial intelligence"

"deep learning"

"neural networks"

"ai/ml"

"ai"

"ml"

"nlp"



"ML/AI/NLP"



# Results

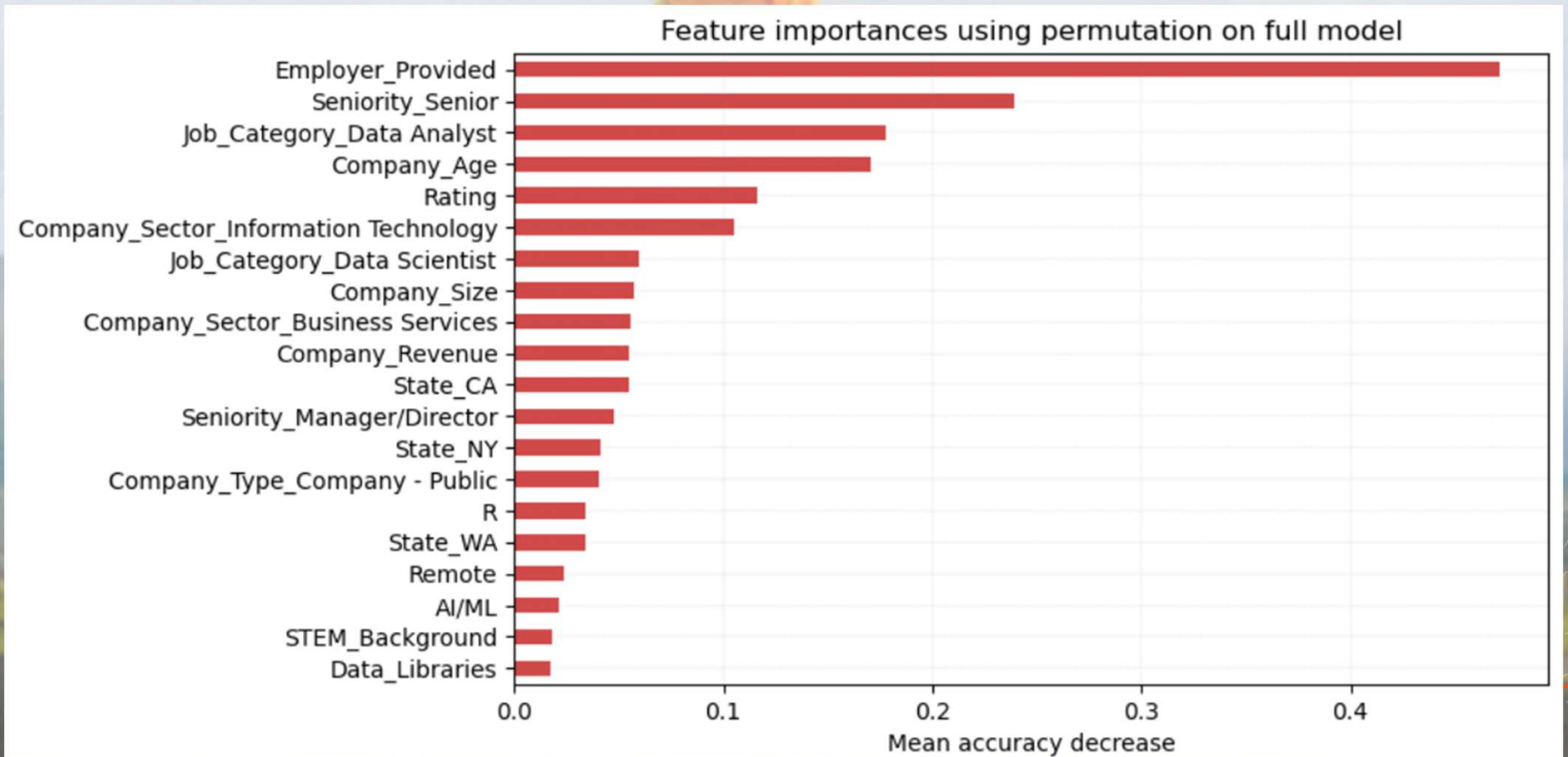


## Model Table

	$R^2$	$\mu$ RMSE	$\sigma$ RMSE
Linear Regression	.51	\$19k	\$3k
Lasso Regression	.51	\$19k	\$3k
Ridge Regression	.51	\$19k	\$3k
Random Forest	.94	\$16.7k	\$3.8k

On average the Random Forest model can correctly predict a salary within 15% of the projected salary median of \$103k

# Conclusion



# IMPACT

For a practitioner who is financially motivated within the data science community, he/she should concentrate on attaining a role at a younger, tech and data focused company, and aspire to enter a senior non-Data Analyst role.

## FUTURE WORK

- Independent sources of data
- Normalize the data based on metrics like population
- Use GDP per capita to compare salaries across states or regions.
- Explore modeling with XGBoost.





THANK YOU

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