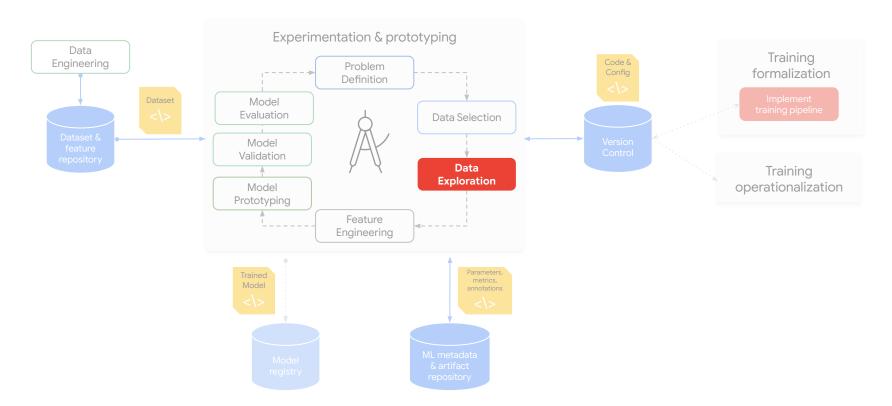
ML Development: Data Exploration



MLOps: ML Development



The MLOps **Personas**



ML Engineer



ML Researcher



Data Scientist



Data Engineer



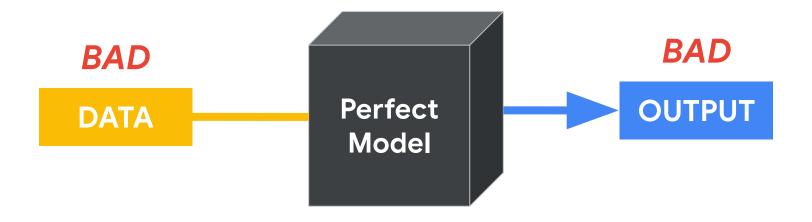
Software Engineer

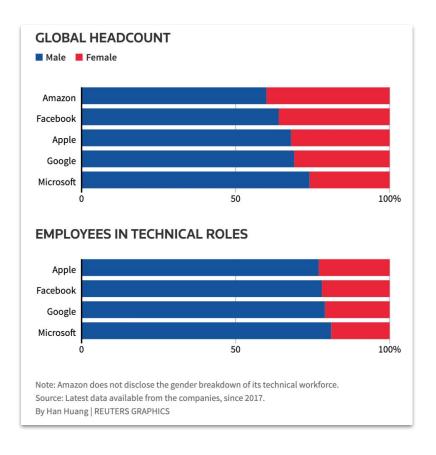


DevOps



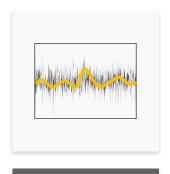
Business Analyst



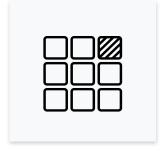


Al Hiring Bias

- Caused by dataset bias
- Experiment by Amazon to automate hiring of developers
- Use the past 10 years of Amazon applicant data to train the model







Reservoir **Sampling**



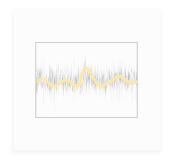
Human Test



Listen



Bounding boxes







Reservoir **Sampling**



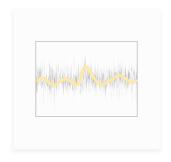
Human Test



Listen



Bounding boxes







Reservoir **Sampling**



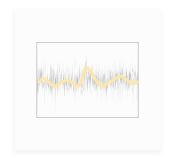
Human Test



Listen



Bounding boxes







Reservoir **Sampling**



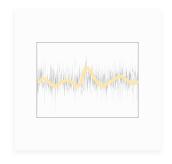
Human Test



Listen



Bounding boxes







Reservoir **Sampling**



Human Test

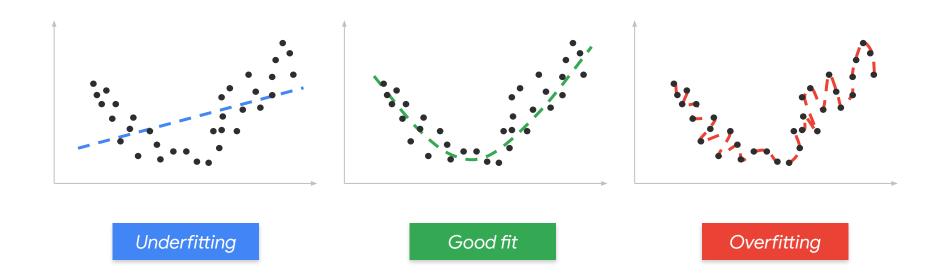


Listen



Bounding boxes

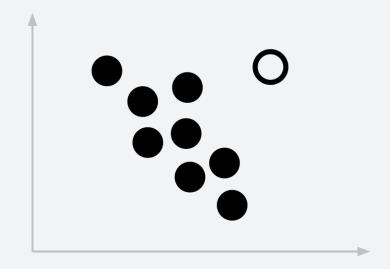
Small experiments



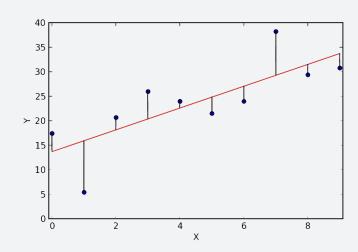
- 1. Outliers in the data
- 2. Homogeneity in variance
- 3. Normally distributed data
- 4. Missing values in the data
- 5. Collinearity in covariates
- 6. Interaction between variables
- 7. Independence in the dataset
- 8. ...

1. Outliers in the data

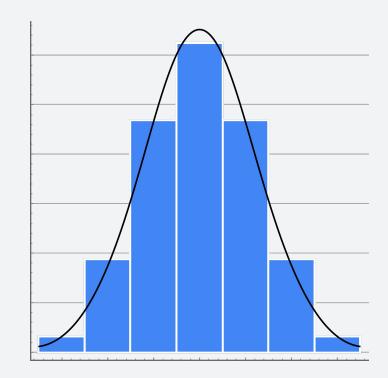
- 2. Homogeneity in variance
- 3. Normally distributed data
- 4. Missing values in the data
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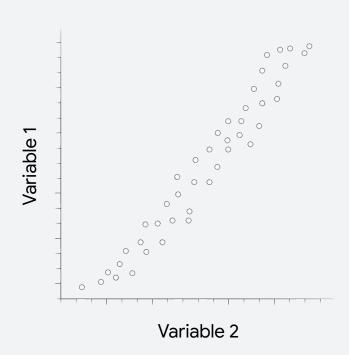
- 1. Outliers in the data
- 2. Homogeneity in variance
- 3. Normally distributed data
- 4. Missing values in the data
- 5. Collinearity in covariates
- 6. Interaction between variables
- 7. Independence in the dataset
- 8. ..

Name	Trial A	Trial B	Trial C
VJ	15	32	09
Colby	11	42	
Lara	16	77	35

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- 2. Homogeneity in variance
- 3. Normally distributed data
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