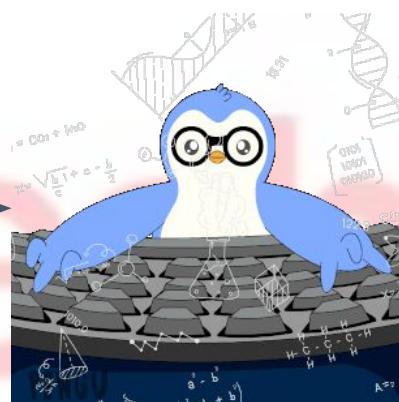


# TECHCRUSH ARTIFICIAL INTELLIGENCE BOOTCAMP

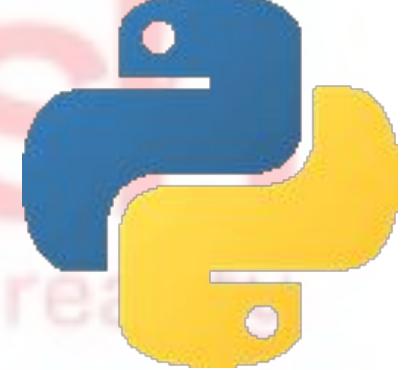
Facilitator: Hammed Obasekore

August 29th, 2025

# Recap

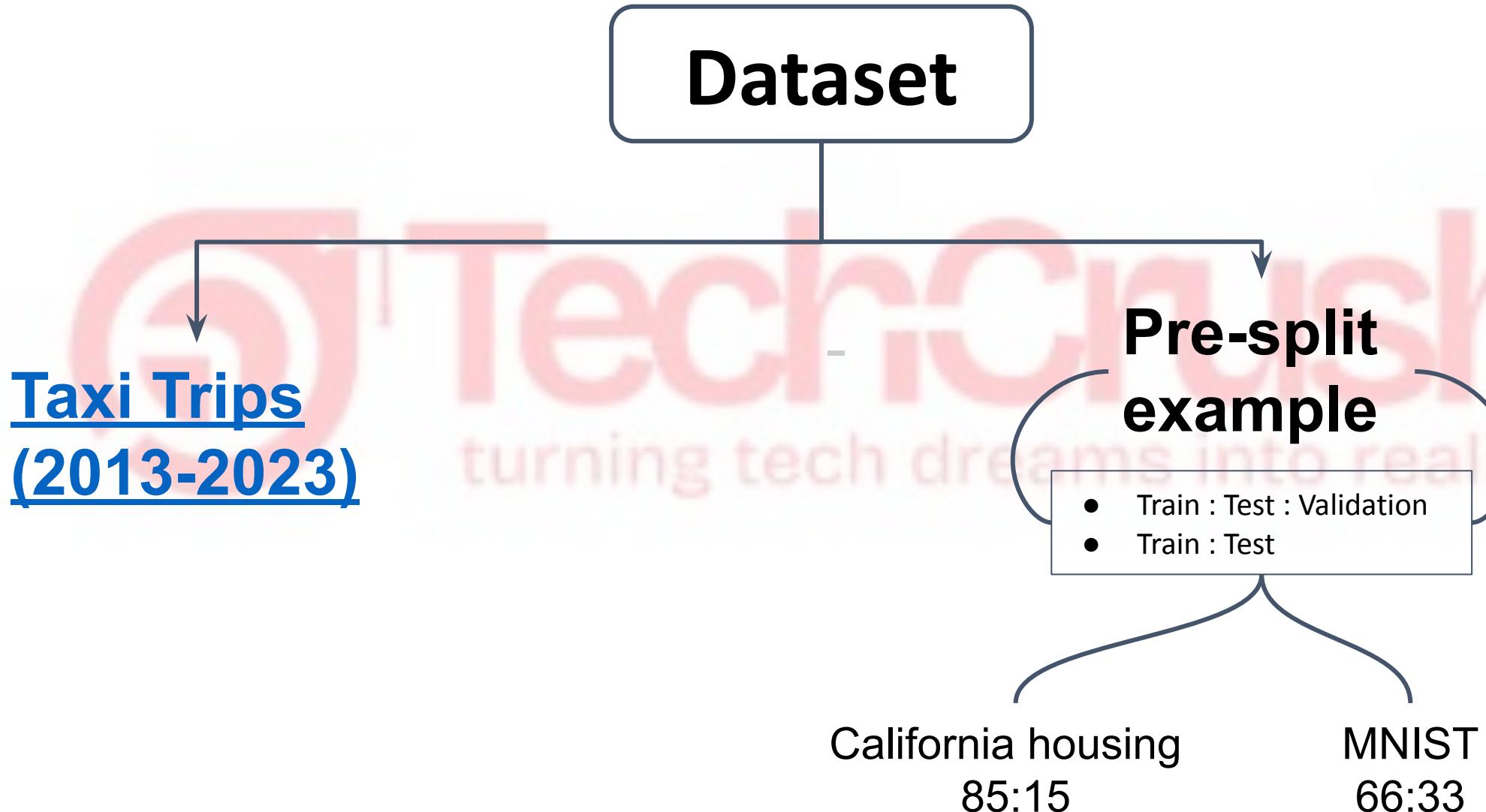


# Programming



*Disclaimer: This training material belongs to techcrush and shouldn't be shared*

## Reading Documentations



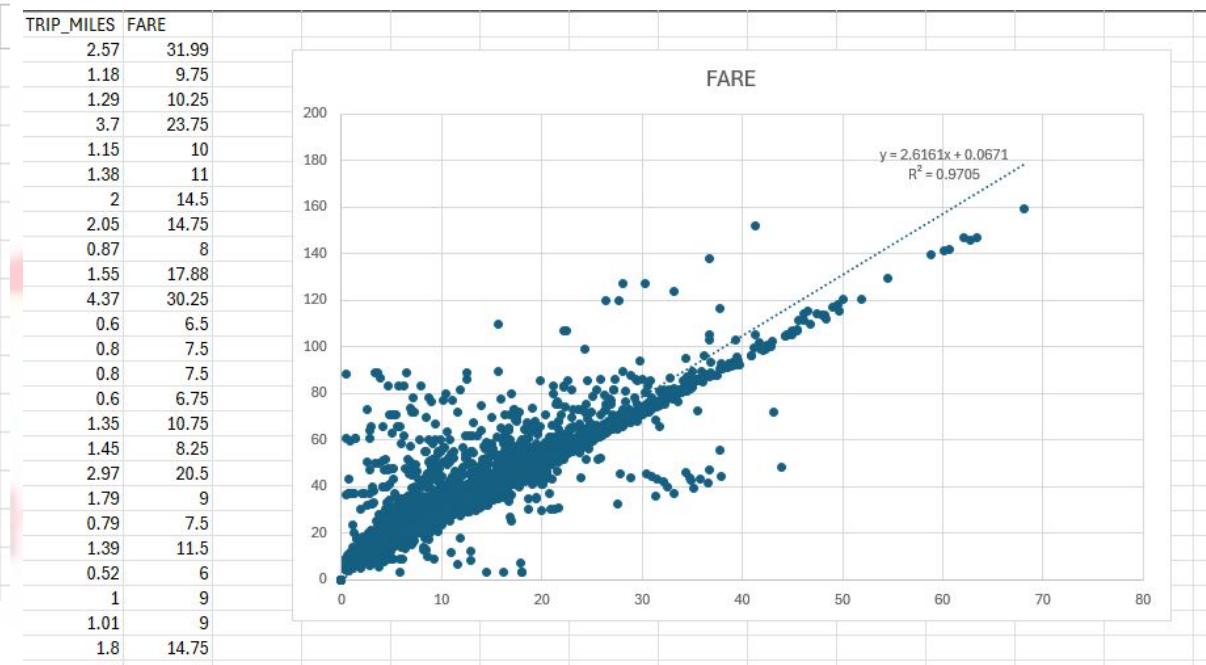
## Working With Large Data

### Google Sheets

A	B	C	D	E	F	G
#N/A	Error					

Resource at url contents exceeded maximum size.

### Excel



Max Limit  
slow performance  
or crashes

## Project-Based Learning &amp; Reading Documentations

## Taxi Trips (2013-2023)



pandas Library



scikit-learn



Matplotlib Library

## Project-Based Learning & Reading Documentations

› ML in Code

› Libraries

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› Load Data

[ ] ↳ 5 cells hidden

› Processing Data

[ ] ↳ 4 cells hidden

› Training Model

[ ] ↳ 7 cells hidden

› Better performance

▶ ↳ 2 cells hidden

# Project-Based Learning & Reading Documentations

› ML in Code

› Libraries

[ ] ↳ 2 cells hidden

› Load Data

[ ] ↳ 5 cells hidden

› Processing Data

[ ] ↳ 4 cells hidden

› Training Model

[ ] ↳ 7 cells hidden

› Better performance

▶ [ ] ↳ 2 cells hidden

## › Libraries

### › What do I need to install

```
[ ] 1 #@title What do I need to install
```

### › What do I need to import?

```
[ ] 1 #@title What do I need to import?
```

```
2
```

# Project-Based Learning & Reading Documentations

## ML in Code

### Libraries

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### Load Data

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### Processing Data

[ ] ↳ 4 cells hidden

### Training Model

[ ] ↳ 7 cells hidden

### Better performance

▶ ↳ 2 cells hidden

### Load Data

#### How do I load data in Python?

```
[ ] 1  #@title How do I load data in Python?  
2  # https://download.mlcc.google.com/mledu-datasets/chicago\_taxi\_train.csv
```

#### Preview some samples

```
[ ] 1  #@title Preview some samples
```

#### Statistical Summary

```
[ ] 1  #@title Statistical Summary  
2
```

#### Determine the suitable features

```
[ ] 1  #@title Determine the suitable features
```

#### Visualizing suitable features

```
[ ] 1  #@title Visualizing suitable features
```

# Project-Based Learning & Reading Documentations

## ML in Code

### Libraries

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### Load Data

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### Processing Data

[ ] ↳ 4 cells hidden

### Training Model

[ ] ↳ 7 cells hidden

### Better performance

▶ ↳ 2 cells hidden

## Training Model

### Define model

```
[ ] 1 #@title Define model  
2
```

### training model

```
[ ] 1 #@title training model  
2
```

### Parameters learned by model

```
[ ] 1 #@title Parameters learned by model  
2
```

[ ] 1 Start coding or [generate](#) with AI.

### Test model

```
[ ] 1 #@title Test model  
2
```

### Quantify the model performance

```
[ ] 1 #@title Quantify the model performance  
2
```

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## Project-Based Learning & Reading Documentations

# Linear regression Complete Code

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