Capstone Regression: Possum

Capstone Project: Regression

Possum Dataset

- Kaggle Possum Dataset
- Source: https://www.kaggle.com/code/vrinja/possum-linear-regression/data

"The possum data frame consists of nine m orphometric measurements on each of 104 mountain brushtail possums, trapped at sev en sites from Southern Victoria to central Q ueensland."



Source: https://de.wikipedia.org/wiki/Opossums#/media/Datei:Opossum_1.jpg

Capstone Project: Regression

Dataset Details

independent feature

Data columns (total 14 columns):			
#	Column	Non-Null Count	Dtype
0	case	104 non-null	int64
1	site	104 non-null	int64
2	Pop	104 non-null	object
3	sex	104 non-null	object
4	age	102 non-null	float64
5	hdlngth	104 non-null	float64
6	skullw	104 non-null	float64
7	totlngth	104 non-null	float64
8	taill	104 non-null	float64
9	footlgth	103 non-null	float64
10	earconch	104 non-null	float64
11	eye	104 non-null	float64
12	chest	104 non-null	float64
13	belly	104 non-null	float64

target variable / dependent feature

Capstone Project: Regression

Sample Steps

Data Import Missing Data Analysis Missing Data Treatment Data Preparation_ Categorical Data Treatm. Separate Dependent / Independent Feature **Data Splitting Data Scaling**

Model Training

Model Predictions

Visualise Results

Model Metrics

Modeling