Random Walk with Penguins

Solution Components

Imputation



Model Building

For each site and penguin type, two main components are used

- Imputation
- Model Building

Imputation

Stine

Last Observation Carried Forward

Next Observation
Carried Backward

Replace by zero

R Models (Arima, ETS , Prophet) Linear

Next Observation Carried Backward

Replace by zero

Python Models (XGBoost and RandomForest)

Final Model for each Row

