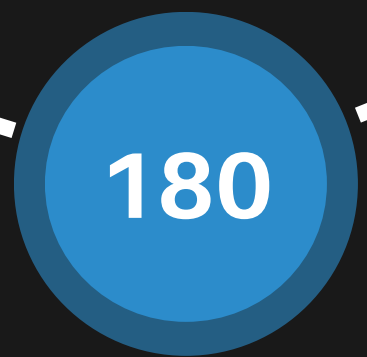


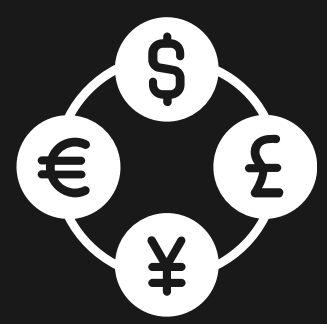


countries





countries



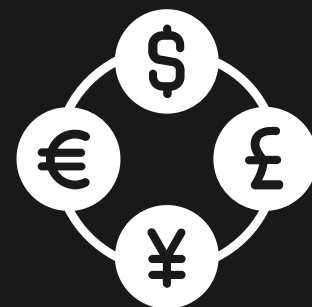
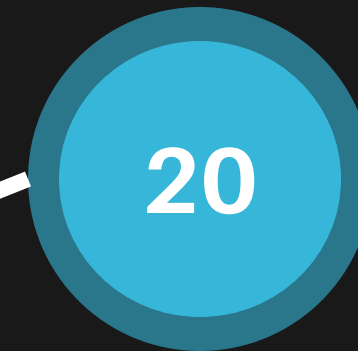
currencies



countries



official currency



currencies



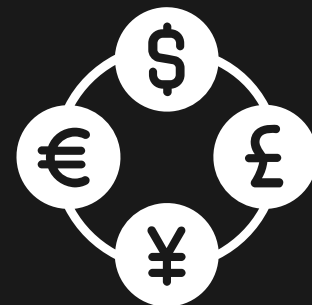
countries

195



official currency

20



currencies

180



USD to CAD today

1.35

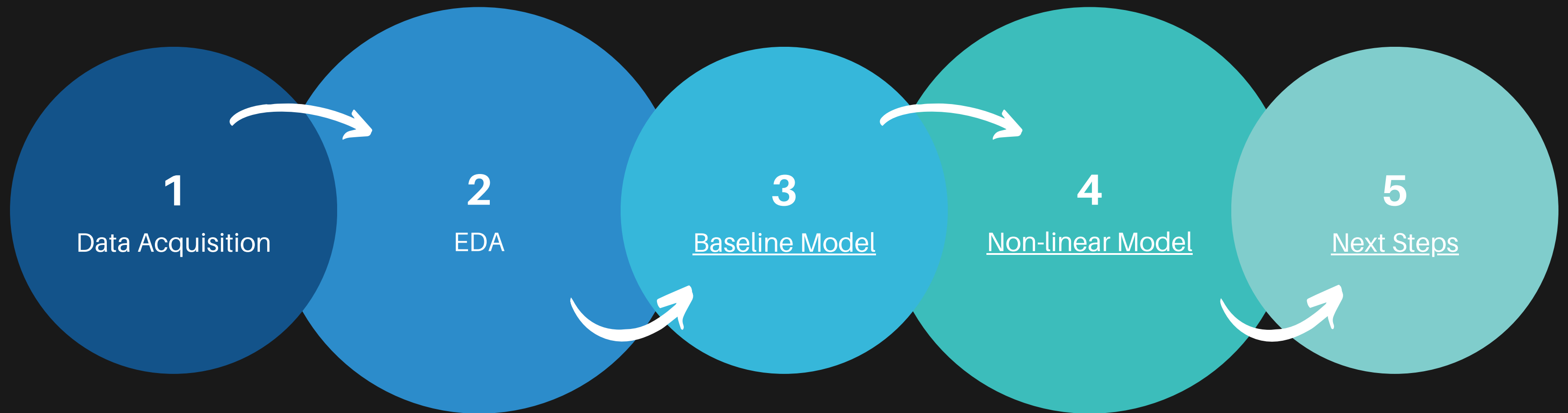
**EXCHANGE
EXPLORER**

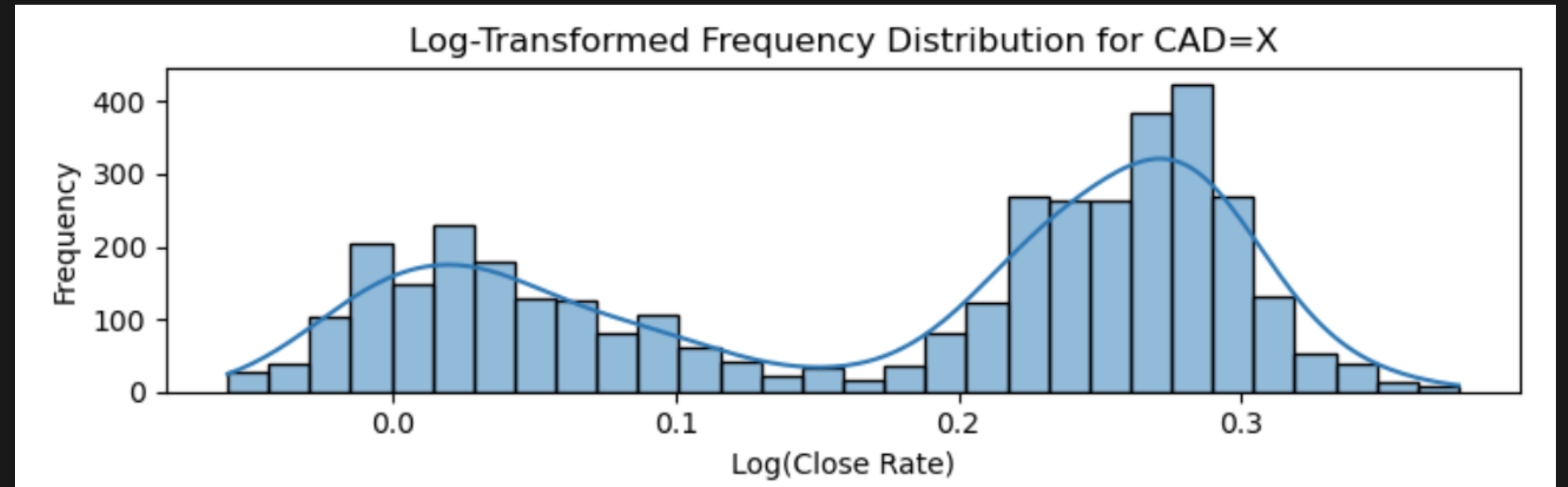


Deepa Anjanamurthy

EXCHANGE EXPLORER

Sprint 2 Progress

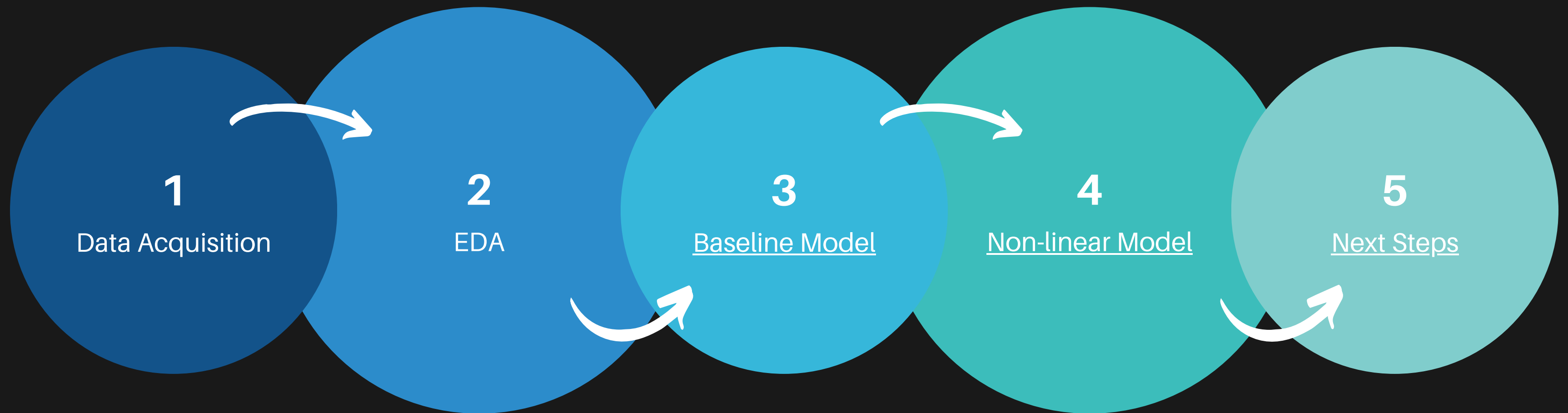




Log Transformation
Box-Cox Transformation
Shapiro Wilk's test

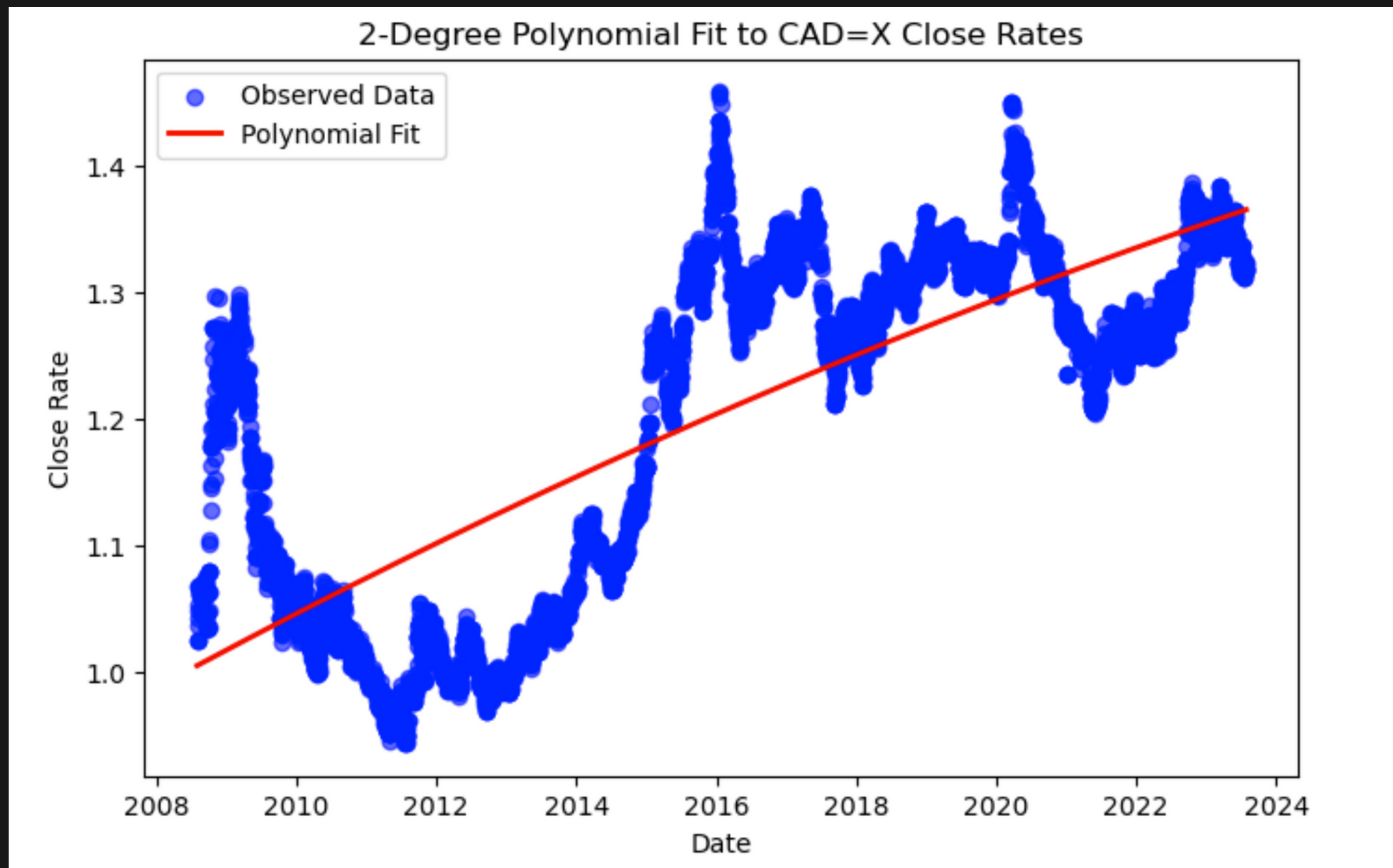
EXCHANGE EXPLORER

Sprint 2 Progress





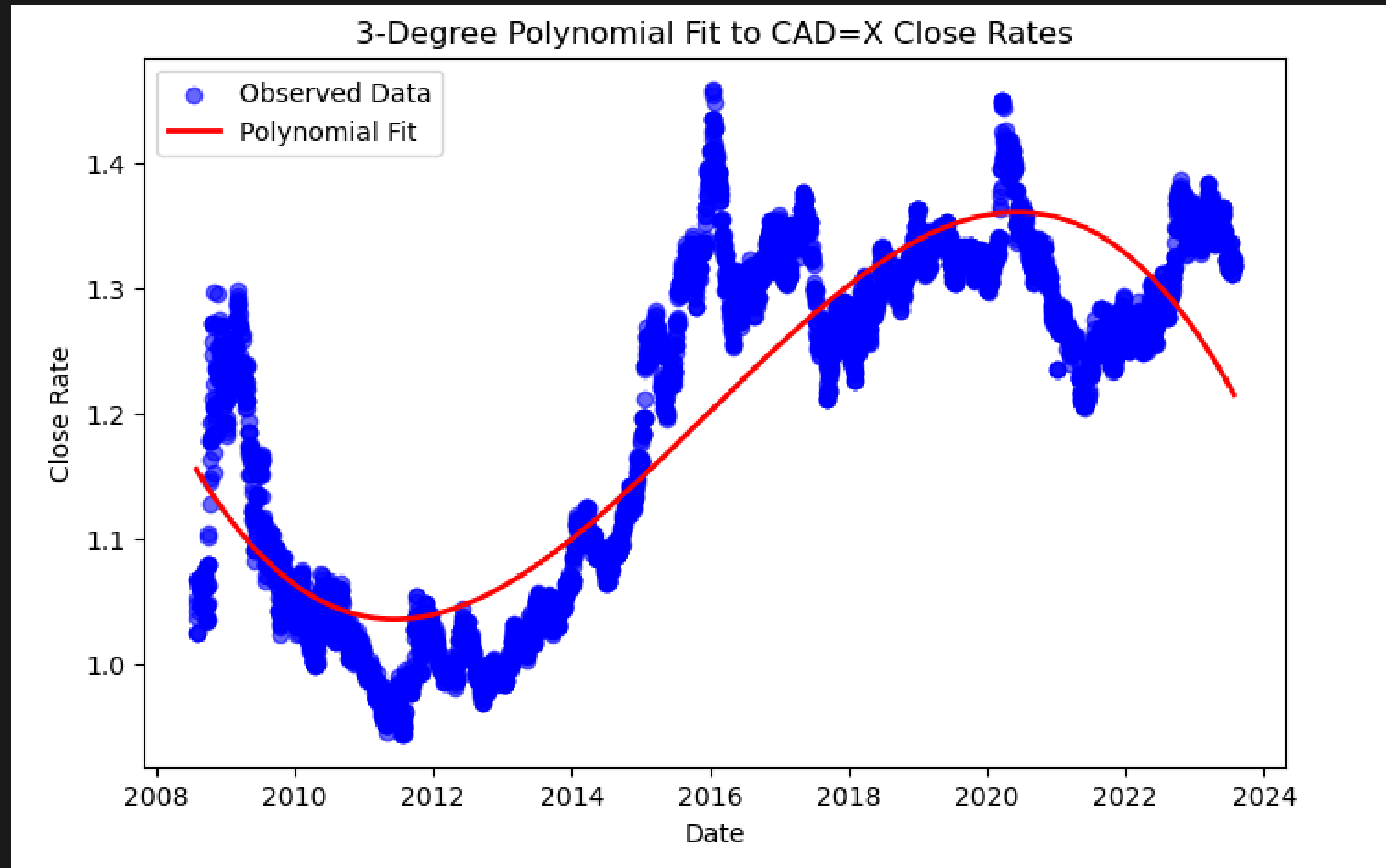
Baseline Model





Baseline Model

Overfit- higher degree model



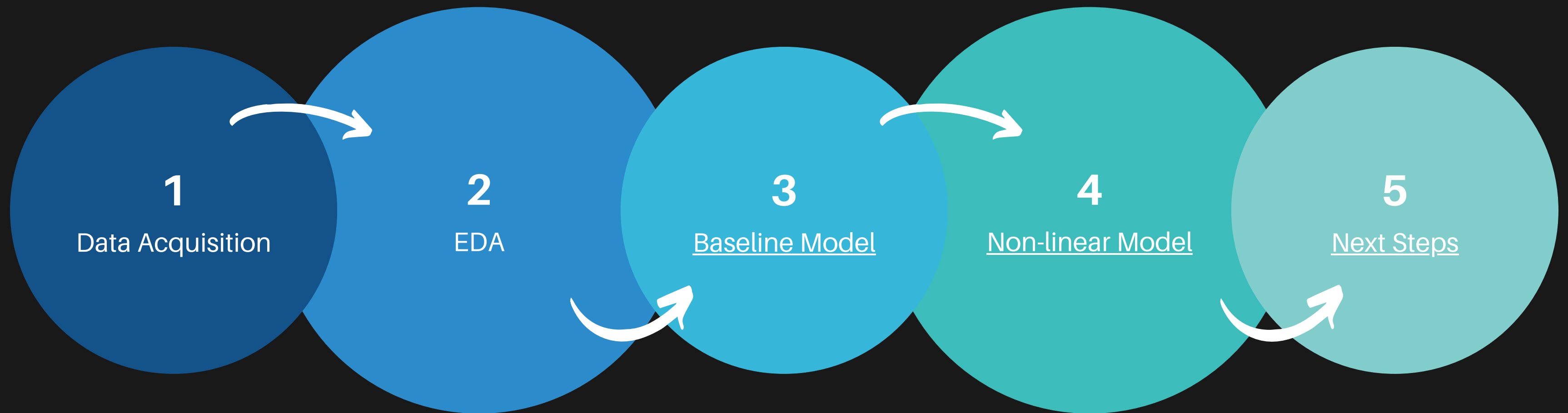


Baseline Model

- **Polynomial Regression**
- **R^2 : 58%**
- **p-value: 0.000**
- **F-statistic: 3799**

EXCHANGE EXPLORER

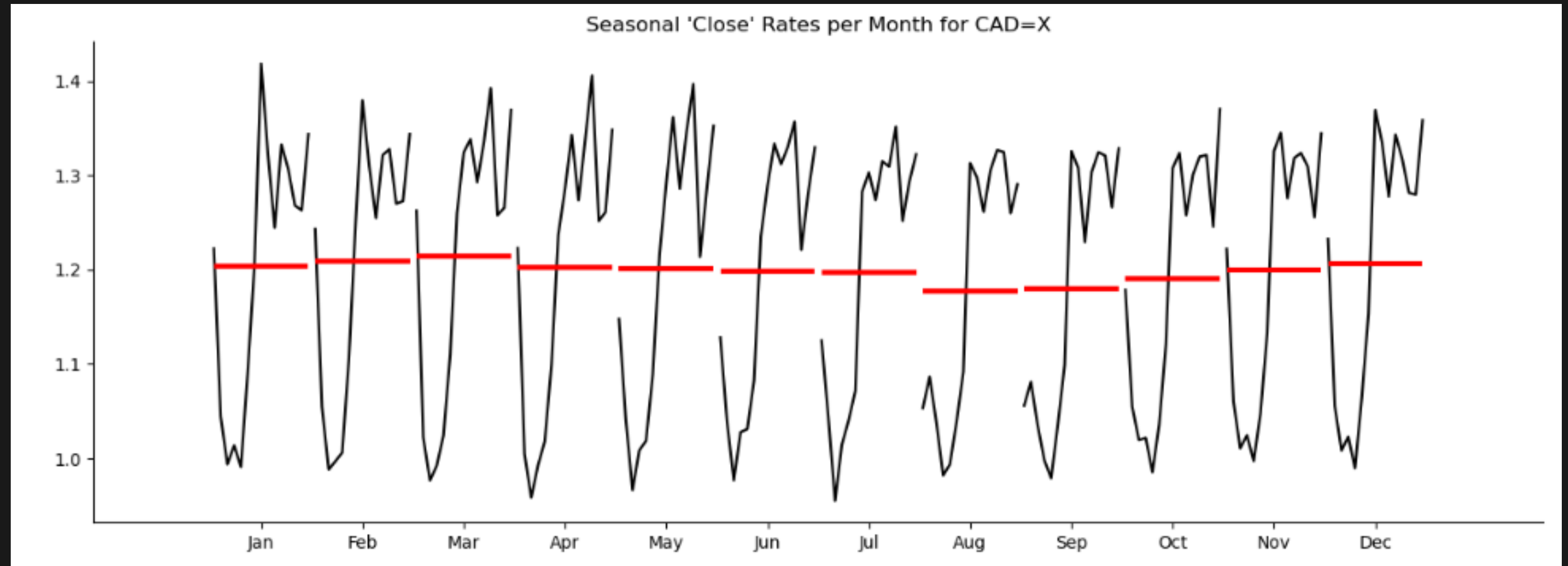
Sprint 2 Progress





Non-linear Model

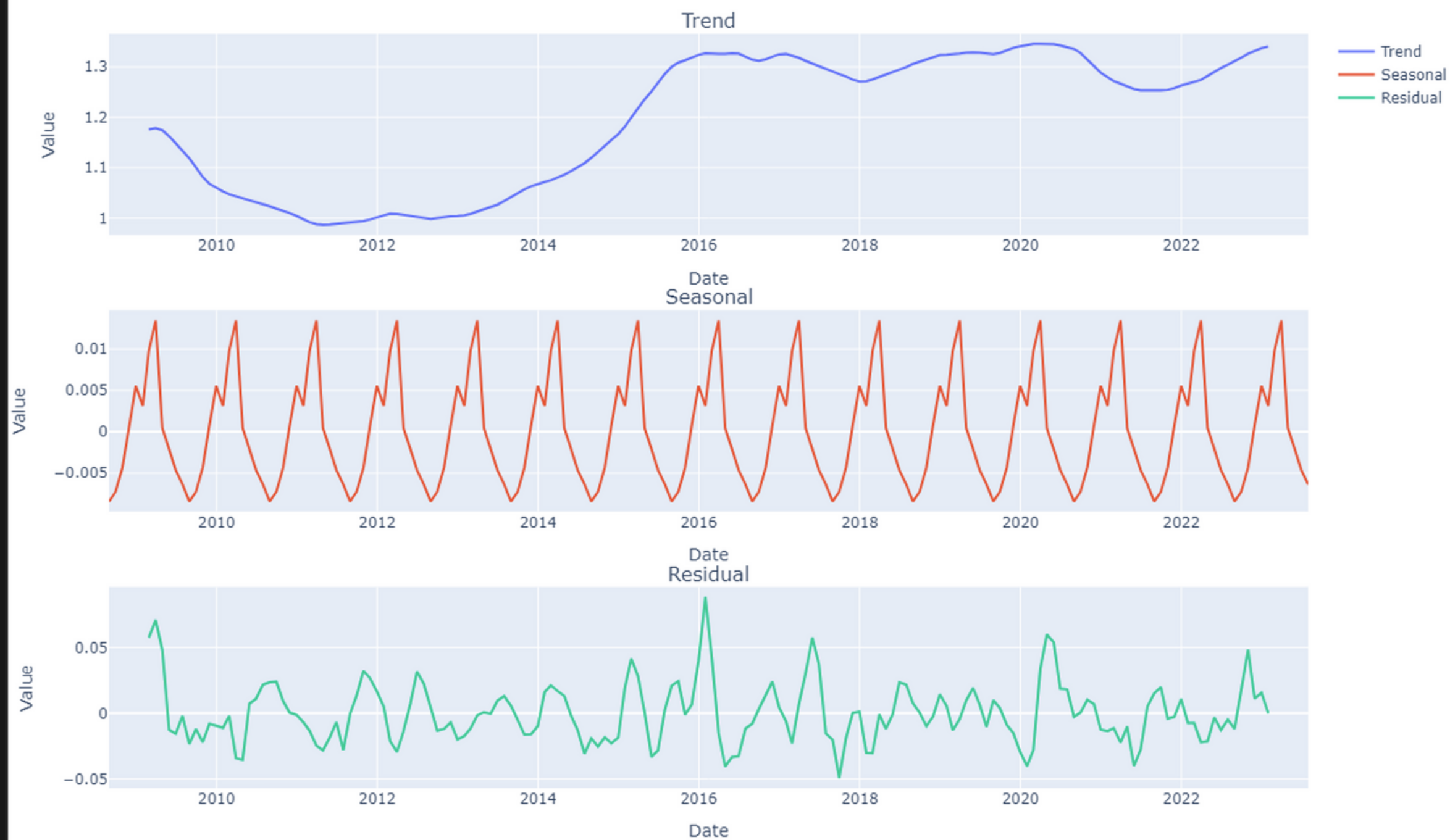
Time Series EDA





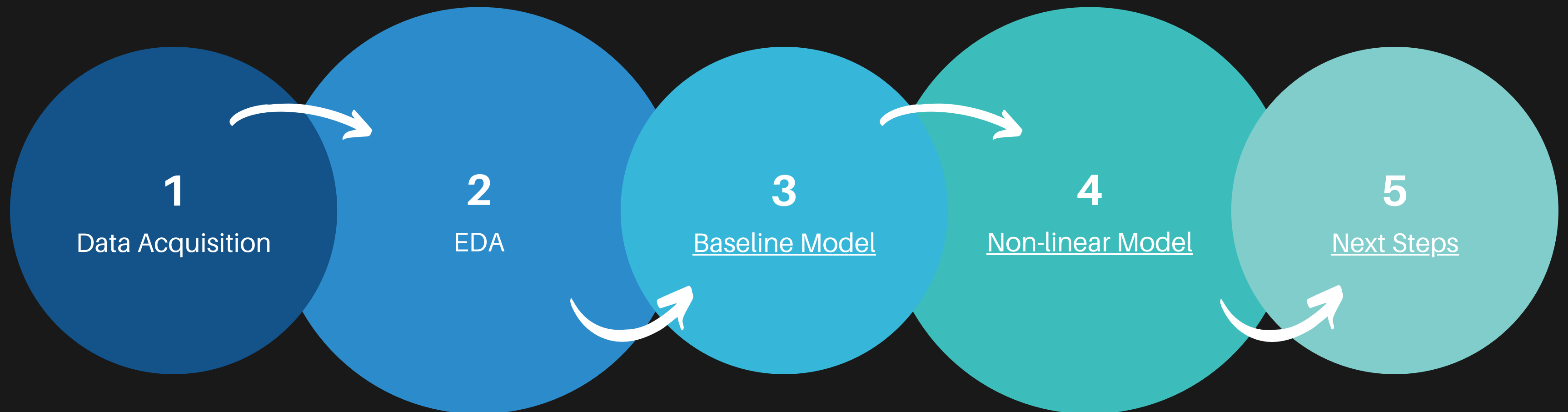
Time Series EDA

Decomposed Components: Trend, Seasonal, and Residual for CAD=X



EXCHANGE EXPLORER

Sprint 2 Progress





EXCHANGE EXPLORER

NEXT STEPS

1

Fit the Time-Series model

2

Decision Tree

3

Random Forest

4

Facebook Prophet Model



**EXCHANGE
EXPLORER**

THANK YOU!