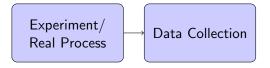
Exploratory Data Analysis

Karthik

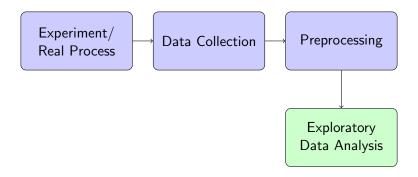
Andersen Lab, TSRI Su Lab, TSRI

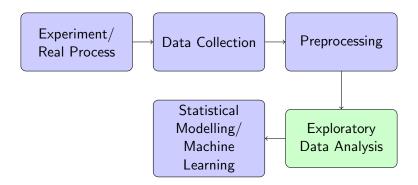
October 4, 2018

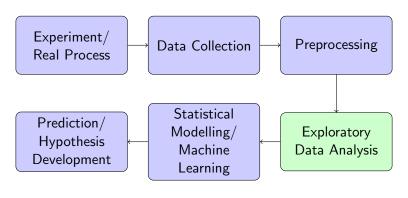
Experiment/Real Process











Wikipedia

Chess dataset

Over 20,000 games collected from a selection of users on the site https://lichess.org.

Source: Kaggle

Description of dataset

Row	Description	Data Type
rated	If player is rated	TRUE/FALSE
turns	Number of turns played	Continuous
victory_status	Type of victory	Categorical
winner	White/Black	Categorical
increment_code	Type of time increment	Categorical
white_rating	Rating of white	Continuous
black_rating	Rating of black	Continuous
opening_name	Name of opening	Categorical

■ How are the black and white ratings distributed?

- How are the black and white ratings distributed?
- Does white have an advantage because it goes first?

- How are the black and white ratings distributed?
- Does white have an advantage because it goes first?
- What is most frequent type of victory?

- How are the black and white ratings distributed?
- Does white have an advantage because it goes first?
- What is most frequent type of victory?
- How does rating affect number of turns in a game?

- How are the black and white ratings distributed?
- Does white have an advantage because it goes first?
- What is most frequent type of victory?
- How does rating affect number of turns in a game?
- How does rating affect number of wins?