

NFL Team Spread & Performance Data Preparation

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Problem Proposal

What attributes impact spread predictions, and performances of teams in the NFL?

Initial Dataset

Kaggle

3 main entities

NFL Teams

- Team Name, conference, division

NFL Stadiums

- Stadium name, location, type, elevation, surface

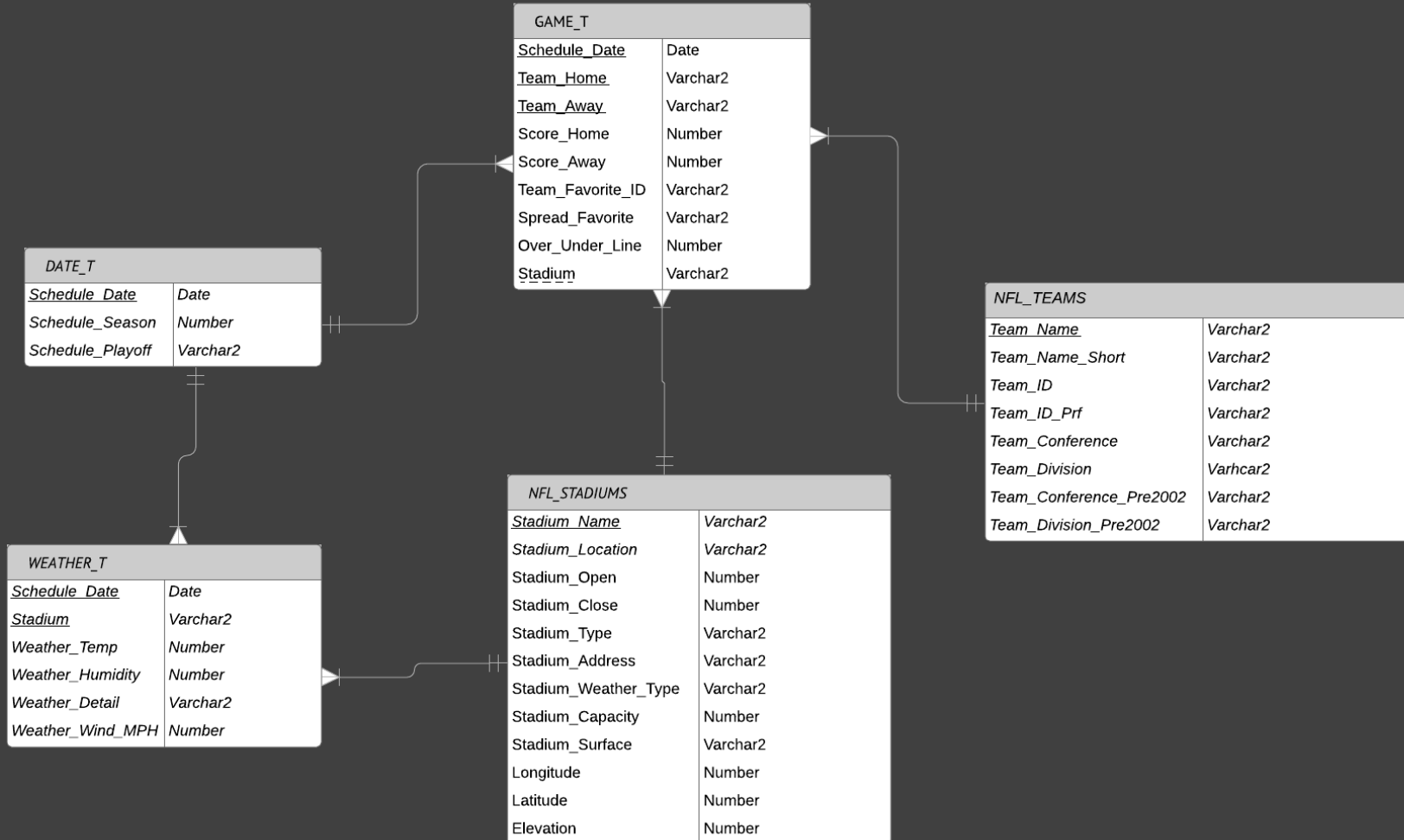
Spreadspoke Gambling Data

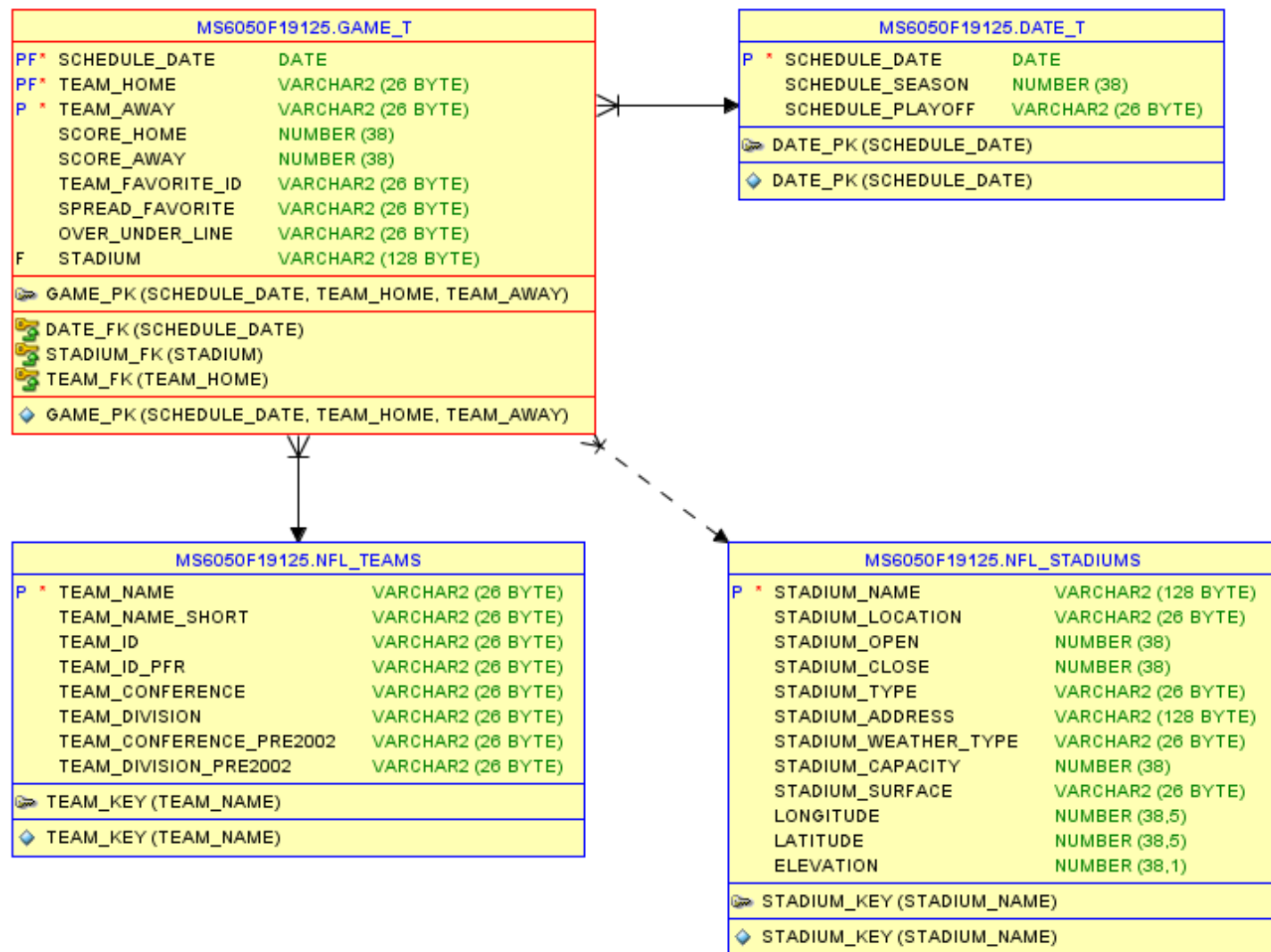
- Date of Game, home/away team, score, spread, weather

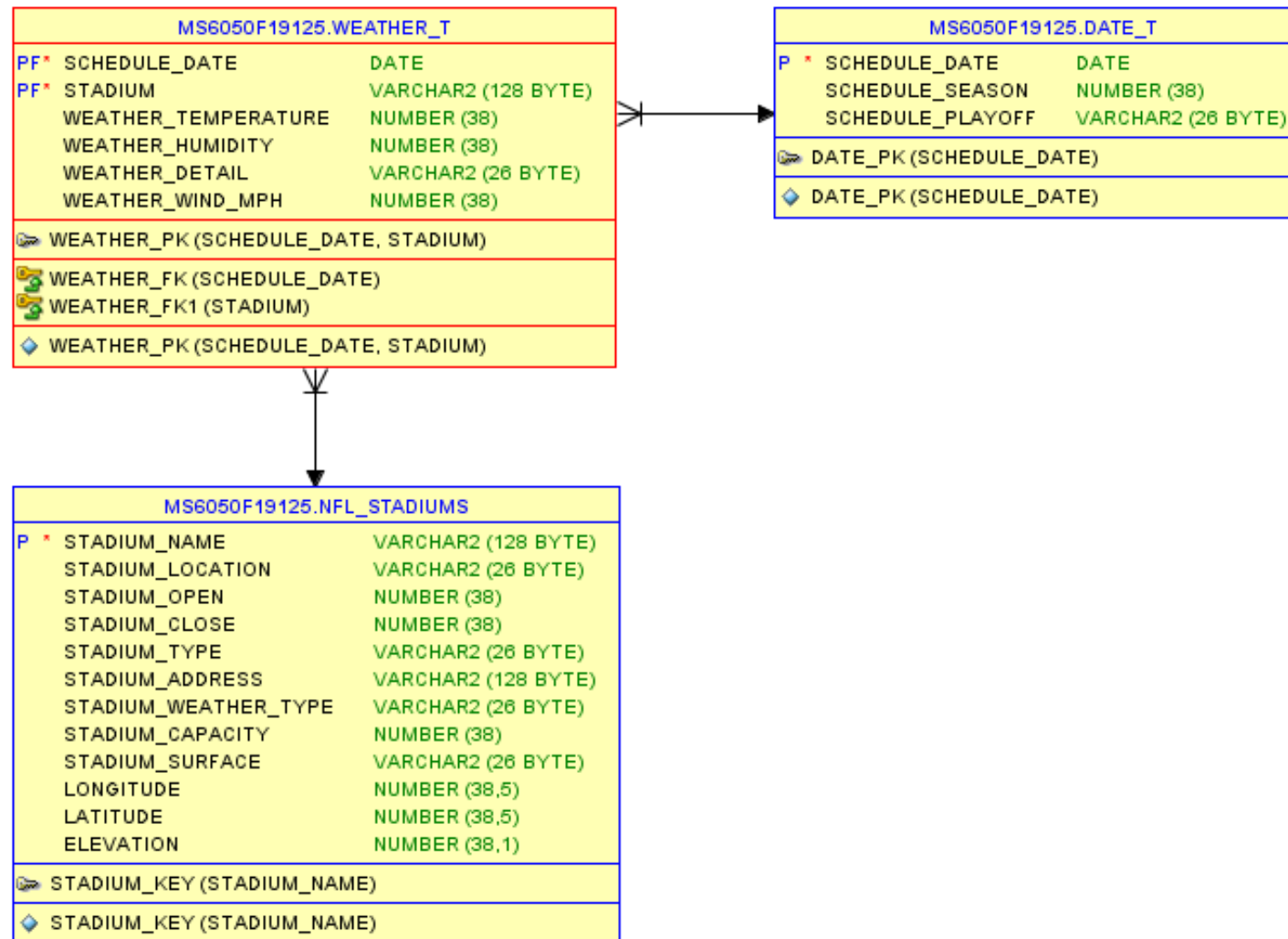
Through normalization, split into 5 main entities

Football Data Mgmt ER Diagram

Elliott Newman | December 1, 2019







Data Preparation

Removed invalid data

Removed unnecessary attributes

Updated any incorrect measurements to correct measurements

Created new attributes using SQL 'CASE' statements