Solution Abstract Problem 1: SmartFly

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Explain your methodology including approach, assumptions, software and algorithms used, testing and validation techniques applied, model selection criteria, and total time spent.

0.1 Approach

0.1.1 Get to know the data

As first step I do an exploratory data analysis on the historic as well as the prediction data set. I analyse both sets to avoid potential issues arising when the prediction data is largely different in structure or content from the historic data that will be used for training a model.

I use the open source statistics software R[1] the exploratory data analysis since it has all necessary analysis functions and plotting tools already implemented.

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[1] http://www.r-project.org/