Background:

Earnest is an entirely online company, so all components of our product need to be accessible online, including any predictive models created by the data science team.

Today, there are many tools available for someone to construct a meaningful predictive model - e.g. R, python+scikit, etc. However, making a model from one of these tools accessible as a service is much trickier.

Problem statement:

The text file *sample_data.txt* contains a dataset with a response column, *y,* and 14 columns of features, *X1-X14.*

Create a model for predicting values of *y* for new values of *X1-X14* that can be accessible as a web service e.g. through HTTP *GET* or *POST* requests.