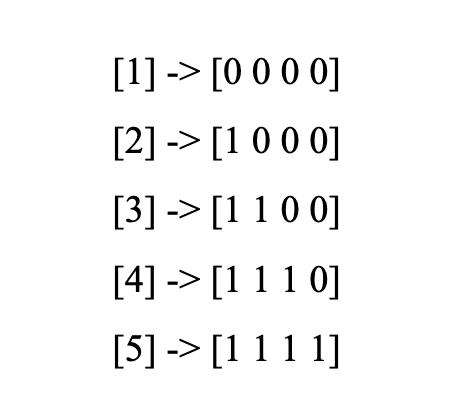
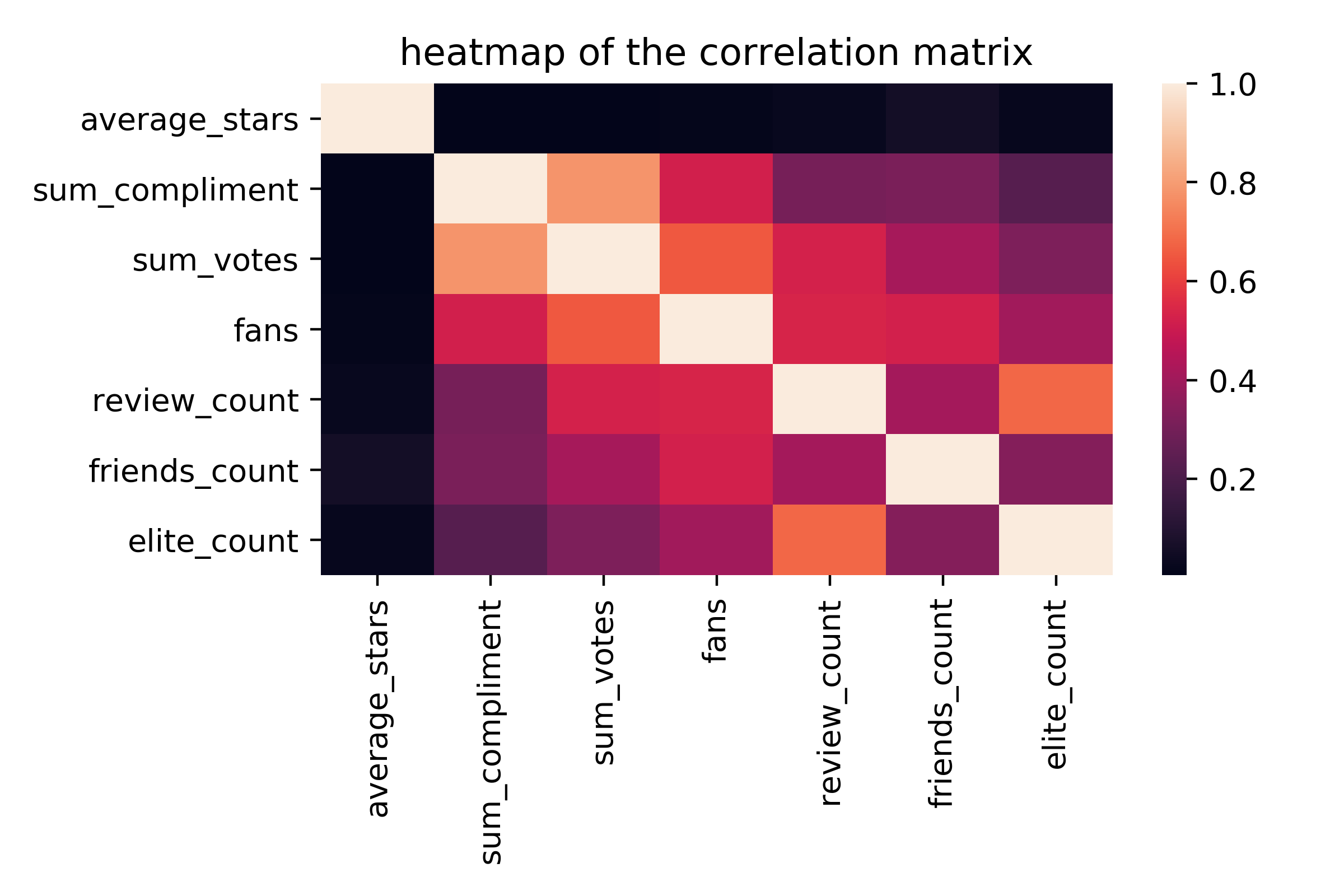
**Dependent variable**



**Independent variables**

Review: text, review stars, (polarity, subjectivity)

User: review\_count, since\_year, (X elite)

Restaurant: review counts based on cities

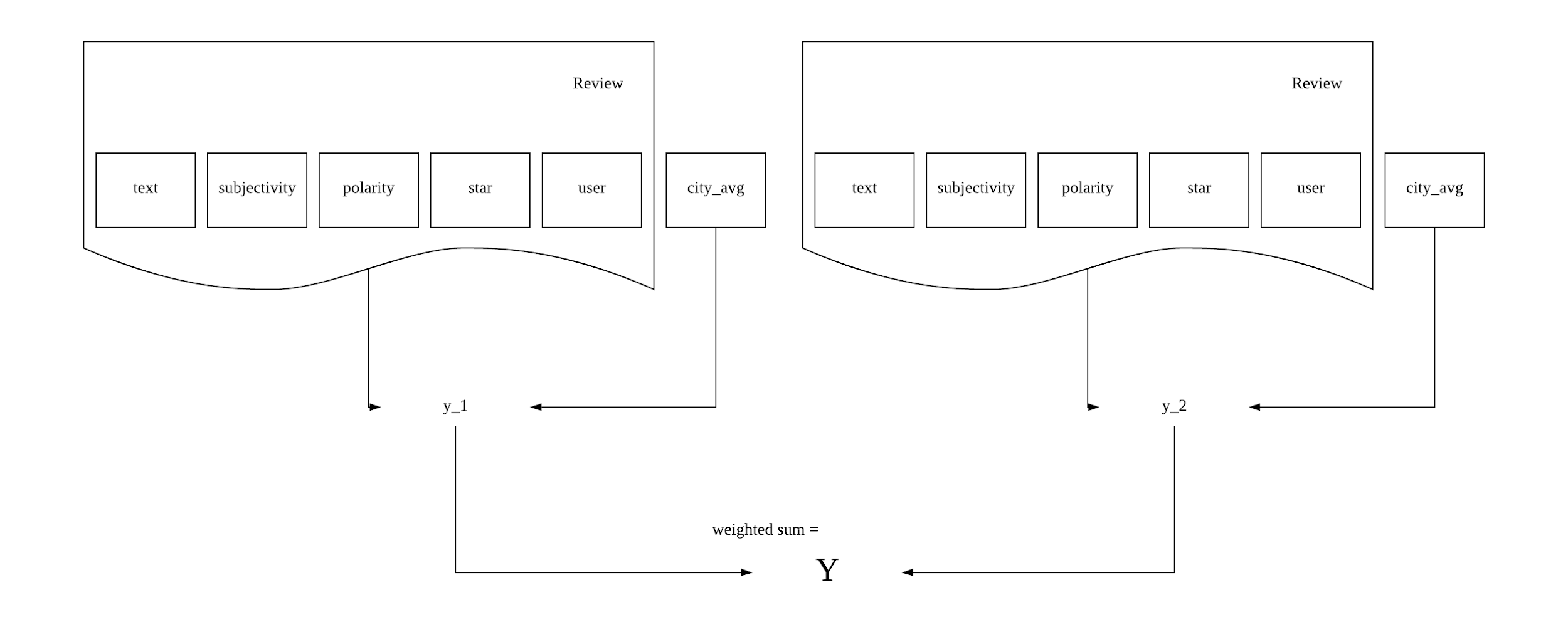
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Weights: **useful+funny+cool**

**Assumption**

User

Time



**Models**

Naive Bayes

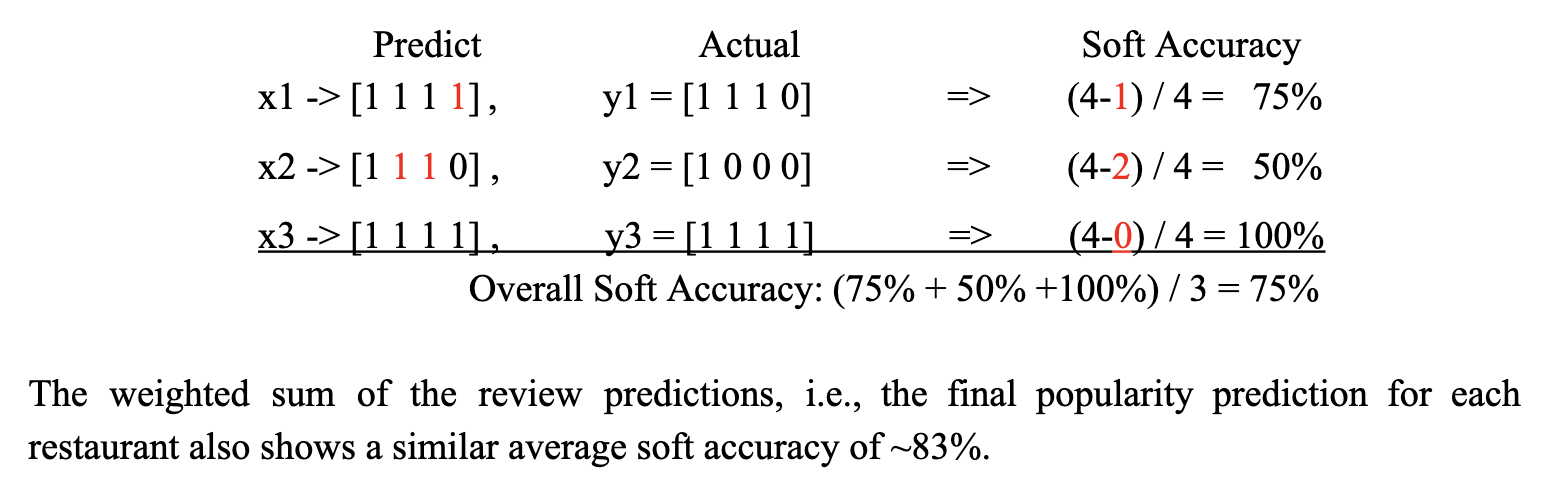
Decision tree

Bagging (random forest)

SVM

XGBoost - Choya

**Estimation**



**Others**

1. Filter restaurants that exist before 2018 and are still open