

Code Book

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- `stars` : our variable of interest, that which we wish to predict, a factor of either 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, or 5,; that represents the rating of a restaurant on yelp
- `review_count` : an integer value for the amount of reviews the restaurant has recieved on yelp
- `is_open` : a boolean value (a two level factor) that evaluates to True if the restaurant is open
- `RestaurantsReservations` : a boolean value (or a two level factor) that evaluates to True if the Restaurant has a reservation service
- `OutdoorSeating` : a boolean value (a two level facotr) that evaluates to True if the Restaurant offers outdoor seating
- `HappyHour` : a boolean value (a two level factor) that evaluates to True is the Restaurant offers a happyhour
- `DriveThru` : a boolean value (a two level factor) that evaluates to True if the Restaurant has a drivethru
- `Caters` : a boolean value (a two level factor) that evaluates to True if the Restaurant offers catering services
- `RestaurantsDelivery` : a boolean value (a two level factor) that evaluates to True if the Restaurant offers delivery services
- `Alcohol` : a boolean value (a two level factor) that evaluates to True if the Restaurant serves alcohol
- `Music` : a boolean value (a two level factor) that evaluates to True if the Restaurant plays music
- `WiFi` : a boolean value (a two level factor) that evaluates to True if the Restaurant offers free wifi
- `RestaurantsGoodForGroups` : a boolean value (a two level factor) that evaluates to True if the Restaurant provides a good environment for groups
- `GoodForKids` : a boolean value (a two level factor) that evaluates to True if the Restaurant provides a good environment for children
- `WheelchairAccessible` :a boolean value (a two level facotr) that evaluates to True if the Restaurant is wheel chair accessible
- `RestaurantsTableService` : a booolean value (a two level factor) that evaluate to True if the Restaurant offers table service
- `HasTV` : a boolean value (a two level factor) that evaluates to True if the Restaurant has a television for entertainment purposes
- `RestaurantsPriceRange2` : a 4 level factor that indicates the price range 4 being the highest, and 0 being the lowest
- `daysOpen` : an integer which represents the number of days the restaurant is open
- `hoursWeek` : a float that represents the number of hours in a week that the Restaurant is open
- `numCategories` : an integer that represents teh number of categories the Restaurant falls into (i.e. fast-food, Italian, Mexican, etc.)
- `GoodForDessert` : a boolean value (a two level factor) that evaluate to True if the Restaurant is good for dessert
- `GoodForLatenight` : a boolean value (a two level factor) that evaluate to True if the Restaurant is good for late night food
- `GoodForLunch` : a boolean value (a two level factor) that evaluate to True if the Restaurant is good for lunch
- `GoodForBrunch` : a boolean value (a two level factor) that evaluate to True if the Restaurant is good for brunch

- `GoodForBreakfast` : a boolean value (a two level factor) that evaluate to True if the Restaurant is good for breakfast