Heart Disease Codebook

The dataset consists of patient-level anonymized data from a hospital in Cleveland. The data contains a lot of attributes about the patient and the key variable of interest is `has_heart_problem`. This variable equals `1` if they were diagnosed with a heart problem. This data was downloaded from the UCI ML Data Repository and lightly cleaned.

`age`: patients age

`is_male`: An indicator for being a male patient

`chest_pain`: a string containing one of four possible values for reported chest pain: "typical angina", "atypical angina", "non-anginal pain", "asymptomatic"

`resting_blood_pressure`: The patients resting blood pressure (on admission to the hospital)

`cholestoral`: The patients cholestoral level

`has_high_fasting_blood_pressure`: The patient's blood pressure while fasting. Equals 1 if fasting blood sugar > 120 mg/dl.

`maximum_heart_rate_achieved`: The maximum heart-rate achieved during an exercise test

`exercise_induced_angina`: Did the exercise test induce angina

`heart_diagnosis`: The presence of heart disease in the patient. It is integer valued from 0 (no presence) to 4

`has_heart_problem`: An indicator version of `heart_diagnosis` that equals 1 if any disease is present (`heart_diagnosis` $>= 1$). Experiments with the Cleveland database have concentrated on simply attempting to distinguish presence (values 1, 2, 3, 4) from absence (value 0).

Data Info

```
Rows: 303 Columns: 12
-- Column specification --------------------------------------------------------
Delimiter: ","
chr  (1): chest_pain
dbl (11): age, is_male, resting_blood_pressure, cholestoral, has_high_fastin...

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
Rows: 303
Columns: 12
$ age                              <dbl> 63, 67, 67, 37, 41, 56, 62, 57, 63, 53~
$ is_male                          <dbl> 1, 1, 1, 1, 0, 1, 0, 0, 1, 1, 1, 0, 1,~
$ chest_pain                       <chr> "typical angina", "asymptomatic", "asy~
$ resting_blood_pressure           <dbl> 145, 160, 120, 130, 130, 120, 140, 120~
$ cholestoral                      <dbl> 233, 286, 229, 250, 204, 236, 268, 354~
$ has_high_fasting_blood_pressure <dbl> 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1,~
$ resting_ecg                      <dbl> 2, 2, 2, 0, 2, 0, 2, 0, 2, 2, 0, 2, 2,~
$ maximum_heart_rate_achieved      <dbl> 150, 108, 129, 187, 172, 178, 160, 163~
$ exercise_induced_angina          <dbl> 0, 1, 1, 0, 0, 0, 0, 1, 0, 1, 0, 0, 1,~
$ ca                               <dbl> 0, 3, 2, 0, 0, 0, 2, 0, 1, 0, 0, 0, 1,~
$ heart_diagnosis                  <dbl> 0, 2, 1, 0, 0, 0, 3, 0, 2, 1, 0, 0, 2,~
$ has_heart_problem                <dbl> 0, 1, 1, 0, 0, 0, 1, 0, 1, 1, 0, 0, 1,~
```