

# P8106 Final Codes

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```
bc_df = read_csv("./data/breast-cancer.csv") %>%
  dplyr::select(-c(1, 33)) %>%
  janitor::clean_names() %>%
  # add extra row
  add_row(diagnosis = 'B', radius_mean = 7.76, texture_mean = 24.54,
    perimeter_mean = 47.92, area_mean = 181, smoothness_mean = 0.05263,
    compactness_mean = 0.04362, concavity_mean = 0,
    concave_points_mean = 0, symmetry_mean = 0.1587,
    fractal_dimension_mean = 0.05884, radius_se = 0.3857,
    texture_se = 1.428, perimeter_se = 2.548, area_se = 19.15,
    smoothness_se = 0.007189, compactness_se = 0.00466, concavity_se = 0,
    concave_points_se = 0, symmetry_se = 0.02676,
    fractal_dimension_se = 0.002783, radius_worst = 9.456,
    texture_worst = 30.37, perimeter_worst = 59.16, area_worst = 268.6,
    smoothness_worst = 0.08996, compactness_worst = 0.06444,
    concavity_worst = 0, concave_points_worst = 0,
    symmetry_worst = 0.2871, fractal_dimension_worst = 0.07039) %>%
  mutate(diagnosis =
    as.numeric(as.factor(recode(diagnosis, `M` = 1, `B` = 0))) - 1)
```