**Gráfico, Gráfico de barras, Gráfico de caixa estreita

Descrição gerada automaticamenteFigure B1. Boxplot of age adjusted premature NCD mortality (AAPNM) in the municipalities of the state of São Paulo between the years 2010 and 2019.**

**Figure B2. Nested cross-validated results for predicted (expected) and observed age adjusted premature NCD mortality (AAPNM) in the municipalities of the state of São Paulo between the years 2010 and 2019. General model without Boruta feature selection.**

**Gráfico, Gráfico de dispersão

Descrição gerada automaticamente**

**Gráfico, Gráfico de dispersão

Descrição gerada automaticamenteFigure B3. Nested cross-validated results for predicted (expected) and observed age adjusted premature NCD mortality (AAPNM) in the municipalities of the state of São Paulo between the years 2010 and 2019. General model with Boruta feature selection.**

Tabela

Descrição gerada automaticamente com confiança média**Figure B4. Shapley values summary plot for the catboost model filtered by the municipalities without populational filtering and with Boruta feature selection.**

Uma imagem contendo Texto

Descrição gerada automaticamente**Figure B5. Shapley values summary plot for the extra tree model filtered by the municipalities with 20,000 inhabitants and over with Boruta feature selection.**

**Figure B6. Correlation plot for observed and predicted AAPNM and primary health indicators for the municipalities classified as ‘High’.**

Gráfico, Gráfico de mapa de árvore

Descrição gerada automaticamente

**Figure B6. Correlation plot for observed and predicted AAPNM and primary health indicators for the municipalities classified as ‘High’.**

Interface gráfica do usuário, Aplicativo

Descrição gerada automaticamente**Figure B7. Correlation plot for observed and predicted AAPNM and primary health indicators for the municipalities classified as ‘Low.**