**Baseline Models Measurements**

**Peru (2010 – 2019)**

**Departments: Loreto, Madre de Dios, Piura, San Martin, Ucayali, Tumbes**

**All Cases**

**Fitted vs Observed Cases**

**(with month and year random effect)**

MAE: 245.772

MSE: 589150.3

RMSE: 767.5613

R-squared: 0.5411937

***Mean* Predicted vs Observed Cases**

**(with month and year random effect)**

MAE: 349.6983

MSE: 949461.7

RMSE: 974.4032

R-squared: 0.2605978

***Median* Predicted vs Observed Cases**

**(with month and year random effect)**

MAE: 230.2111

MSE: 864896.3

RMSE: 929.998

R-squared: 0.3264539

**Cases 0 to 19 years-old**

**Fitted vs Observed Cases**

**(with month and year random effect)**

MAE: 87.35868

MSE: 87233.22

RMSE: 295.3527

R-squared: 0.4534038

***Mean* Predicted vs Observed Cases**

**(with month and year random effect)**

MAE: 121.2271

MSE: 130379.6

RMSE: 361.0812

R-squared: 0.1830521

***Median* Predicted vs Observed Cases**

**(with month and year random effect)**

MAE: 85.63194

MSE: 116745.3

RMSE: 341.6801

R-squared: 0.2684837