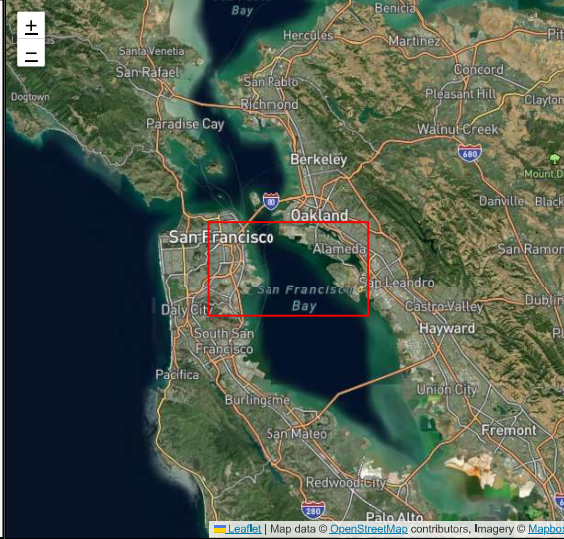


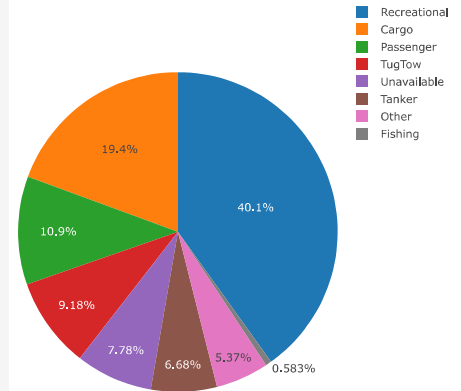
# San Francisco AIS Vessel Efforts

The search area was bound by: 37.7962N, -122.2001W; 37.6845N, -122.4379W

The AIS data was captured for the defined area at a Monthly interval. Average changes were estimated for every 12 months. The following were the results of the search: All Vessels: Max of 627 vessels, increasing an average of -3.3 vessels. Fishing Vessels: Max of 8 vessels, increasing an average of 0.8 vessels. Tug/Tow Vessels: Max of 57 vessels, increasing an average of 2.0 vessels. Recreational Vessels: Max of 314 vessels, increasing an average of 14.2 vessels. Passenger Vessels: Max of 73 vessels, increasing an average of -5.7 vessels. Cargo Vessels: Max of 134 vessels, increasing an average of -8.7 vessels. Tanker Vessels: Max of 47 vessels, increasing an average of -4.0 vessels. Other Vessels: Max of 44 vessels, increasing an average of 0.4 vessels.

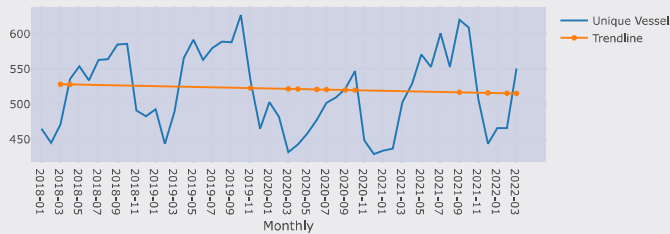


Vessel Type Distribution



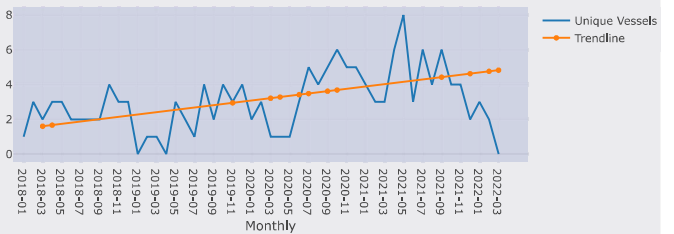
All Vessels

Regression:  $Y = -0.271X + 528.963$ , R2: -0.134, Mean-Squared Error: 3095.976, Mean-Absolute Error: 45.84



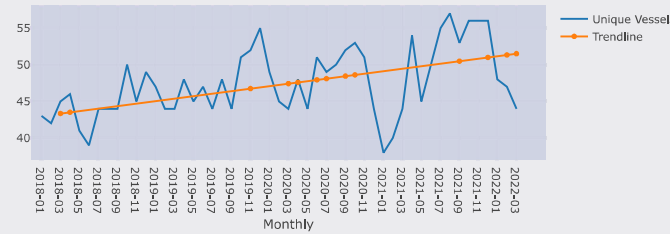
Fishing Vessels

Regression:  $Y = 0.067X + 1.47$ , R2: -0.349, Mean-Squared Error: 4.775, Mean-Absolute Error: 1.823



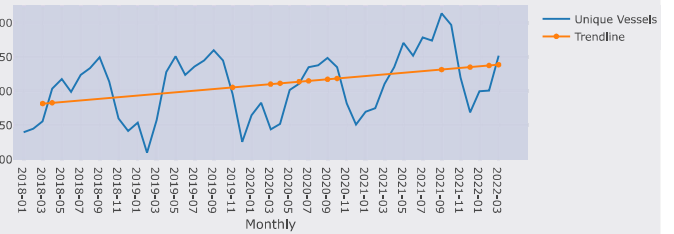
Tug and Tow Vessels

Regression:  $Y = 0.17X + 43.007$ , R2: -0.08, Mean-Squared Error: 15.149, Mean-Absolute Error: 3.421



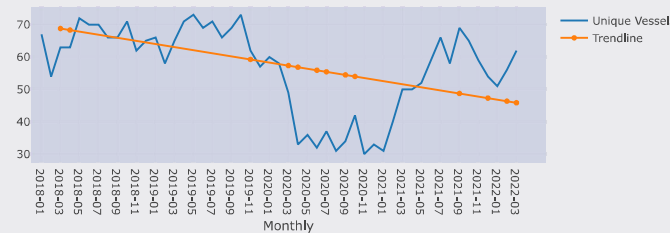
Recreational Vessels

Regression:  $Y = 1.185X + 179.568$ , R2: 0.16, Mean-Squared Error: 1807.642, Mean-Absolute Error: 34.725



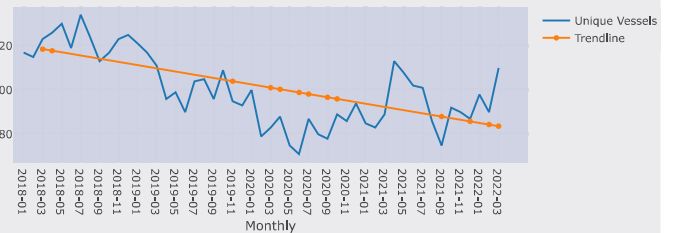
Passenger Vessels

Regression:  $Y = -0.477X + 69.752$ , R2: -0.398, Mean-Squared Error: 230.039, Mean-Absolute Error: 13.352



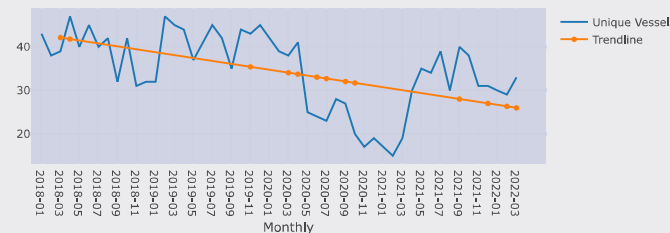
Cargo Vessels

Regression:  $Y = -0.725X + 119.949$ , R2: 0.194, Mean-Squared Error: 219.12, Mean-Absolute Error: 12.547



Tanker Vessels

Regression:  $Y = -0.336X + 42.801$ , R2: 0.178, Mean-Squared Error: 55.248, Mean-Absolute Error: 6.798



Other Vessels

Regression:  $Y = 0.031X + 27.561$ , R2: -0.045, Mean-Squared Error: 38.523, Mean-Absolute Error: 5.355

