Data Visualization Examples

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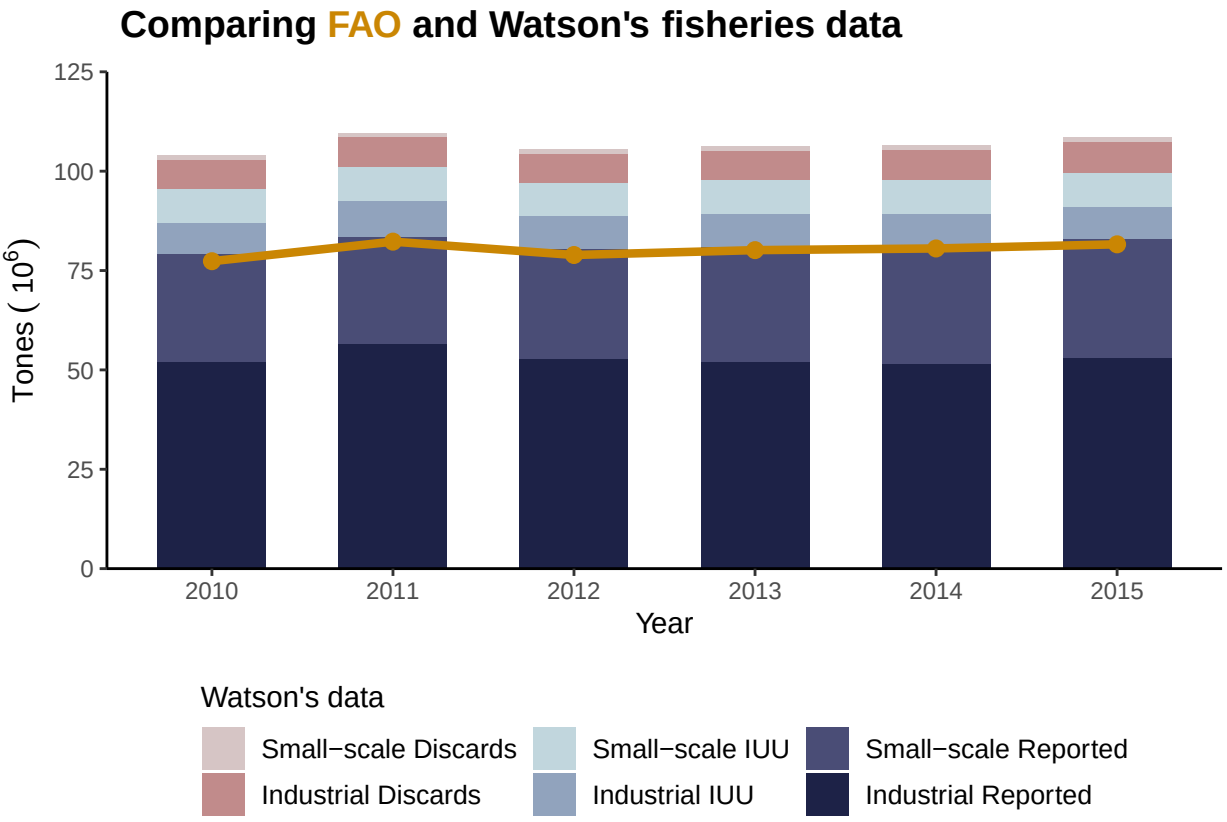
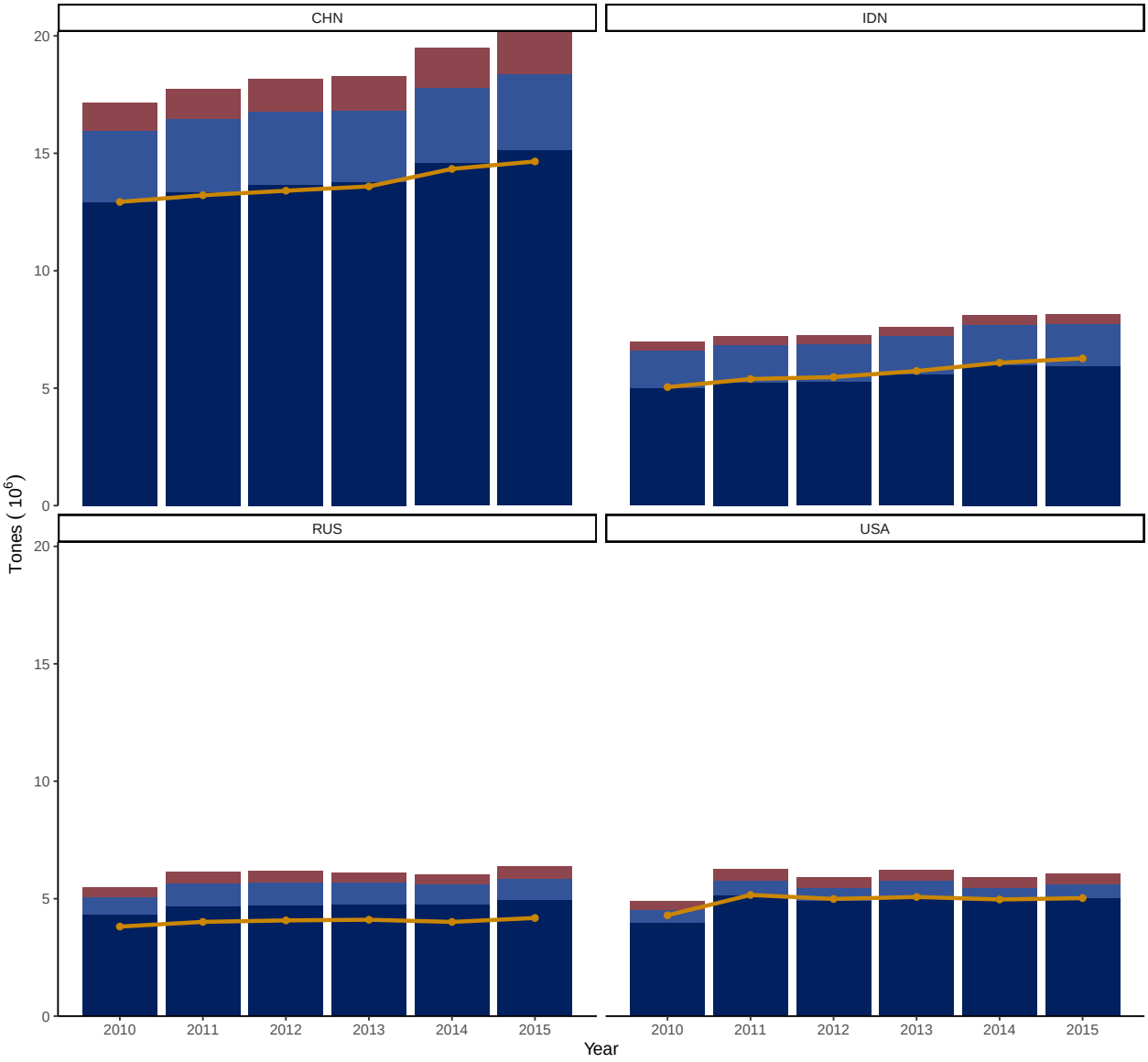
Project 1: Comparing two sources of fisheries data

One of the goals of this project was to compare the total fisheries landings reported by the Food and Agriculture Organization (FAO) with global marine fisheries catch curated by Reg Watson (Watson 2017). Watson's data set identifies small-scale fisheries catch from industrial catch, and estimates illegal, unregulated and unreported catch (IUU), and discards at sea. It also includes the associated fishing gear used. On the other hand, FAO data only reports quantities on a landed weight basis.

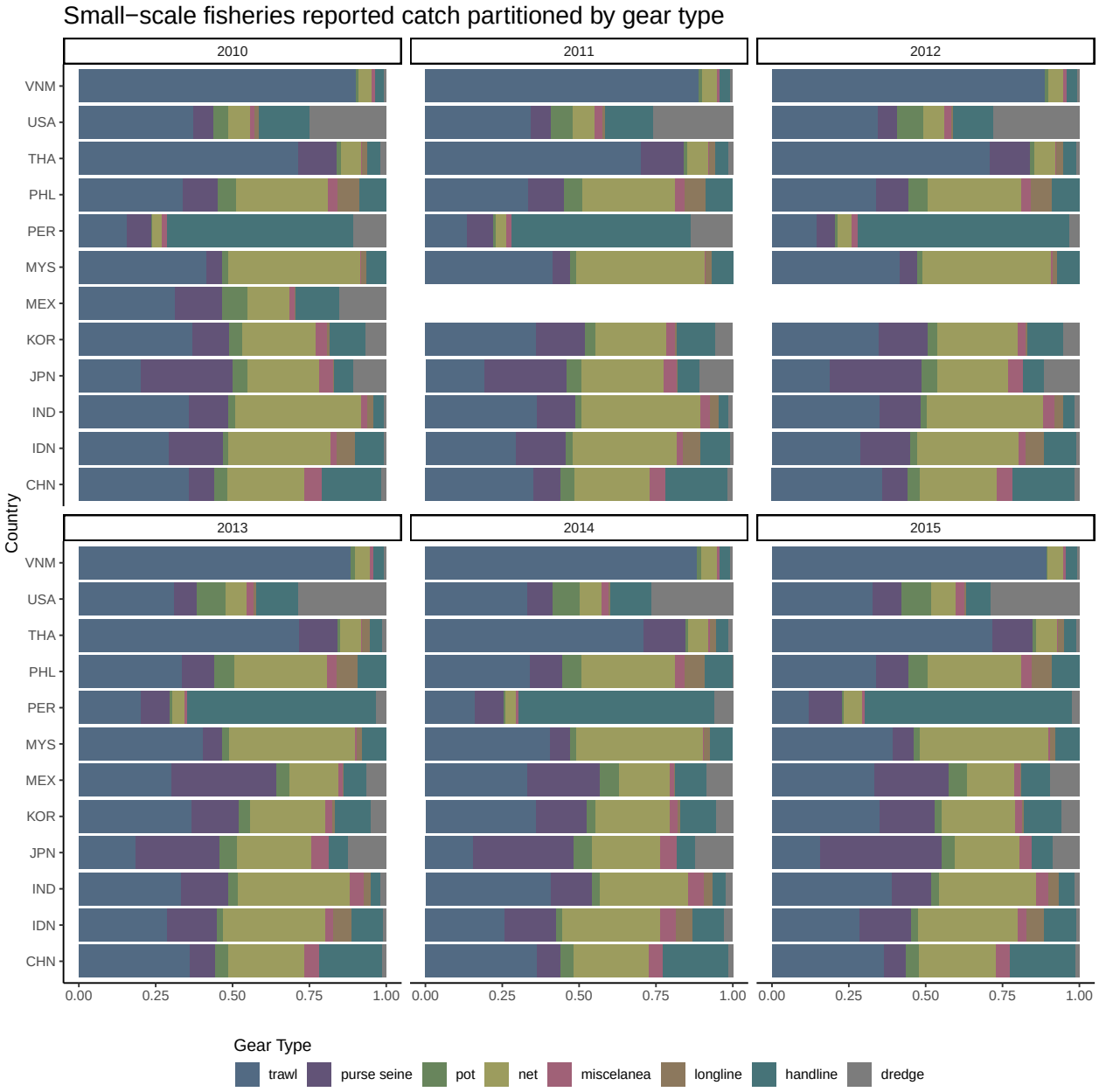


Total Fisheries Capture by Country

Top countries worldwide in fisheries captures according to **FAO** and Watson's **Reported,** **IUU** and **Discards**



Watson's data set assigns gear types to all catches. The following figure presents proportions of catch by gear type from the 12 countries that on average reported the most small-scale fisheries catch between 2010 and 2015.



Project 2: Contributions of marine capture fisheries to the domestic livelihoods and seafood consumption of Chile

This project aimed to identify how much locally caught seafood is consumed by the Chilean population and quantify the contributions of fisheries to the local economy. To achieve this goal we looked into fisheries landings, aquaculture production, imports and export data. Here a small compilation of visualizations created for this project. See figure caption for details.

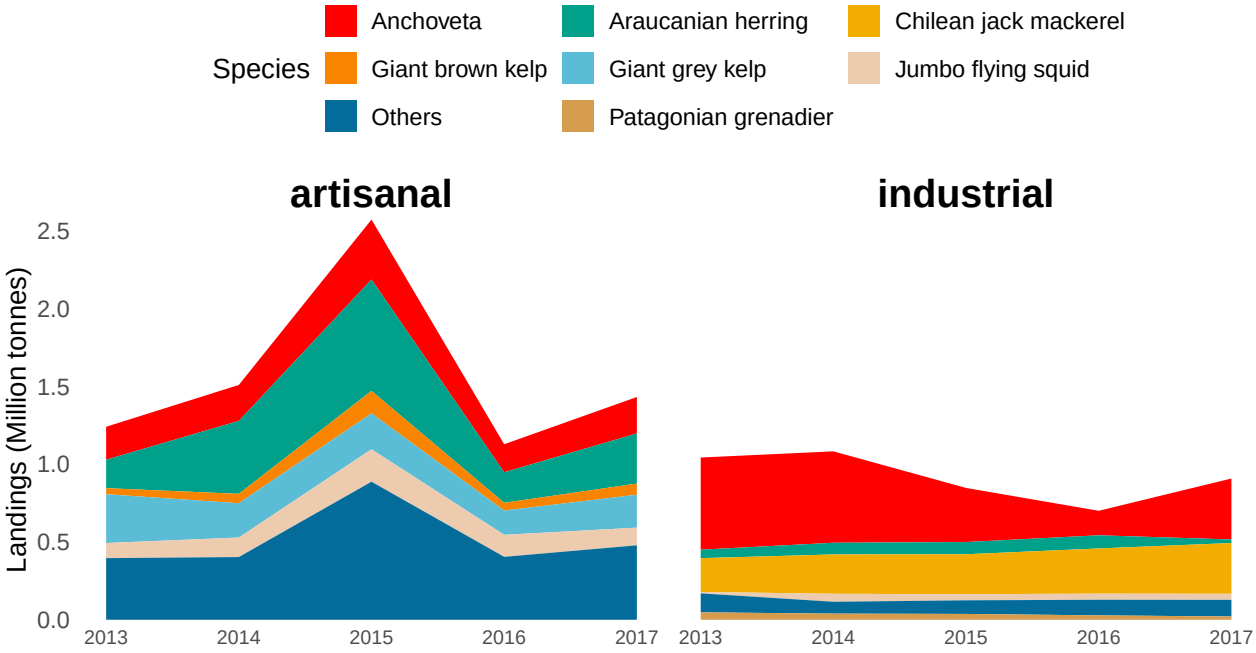


Figure 1: Main species landed in Chile by the artisanal and industrial sector between 2013 and 2017. Data SERNAPESCA, 2018.

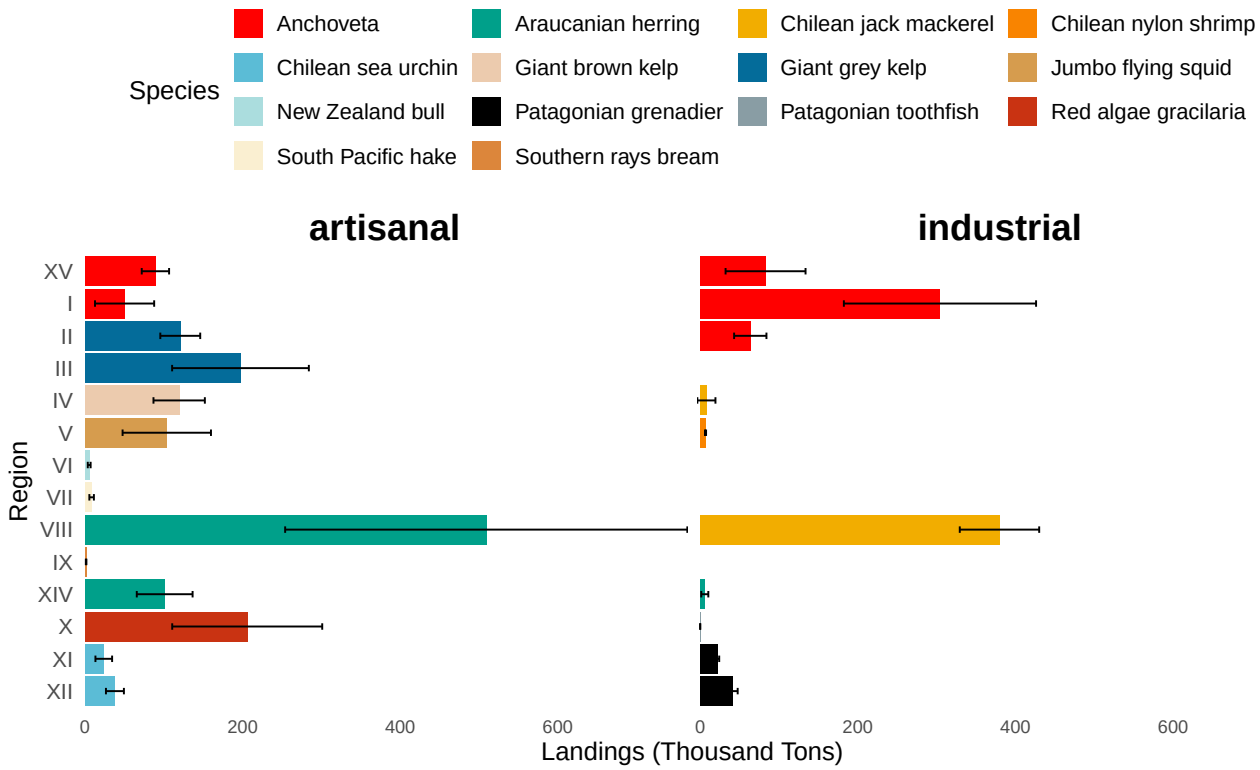


Figure 2: Mean annual total landings per region for the artisanal (left pannel) and industrial sector (right pannel) between 2013 and 2017. The color represents the most landed species in 2017 and regions are ordered from north to south. Error bars represent one standard deviation. Data Landing records from SERNAPESCA, 2018.

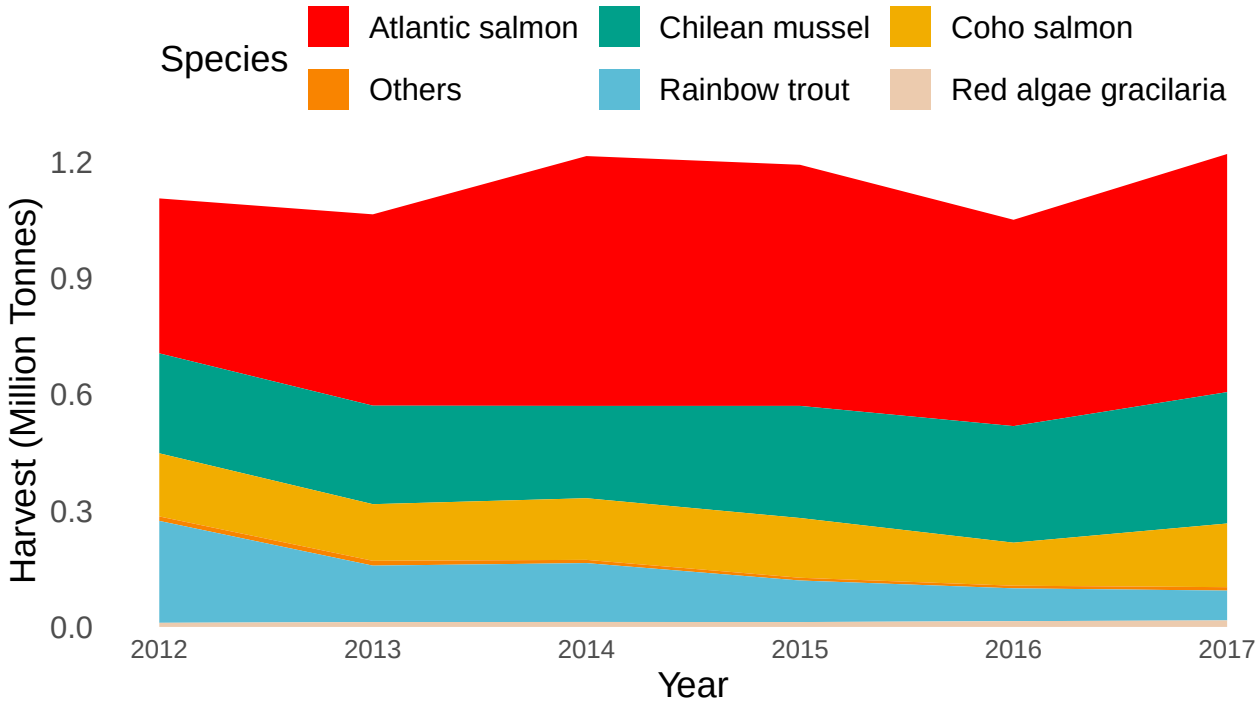


Figure 3: Top 5 species farmed in Chile between 2013 and 2017. Data : Harvest records from SERNAPESCA, 2018.

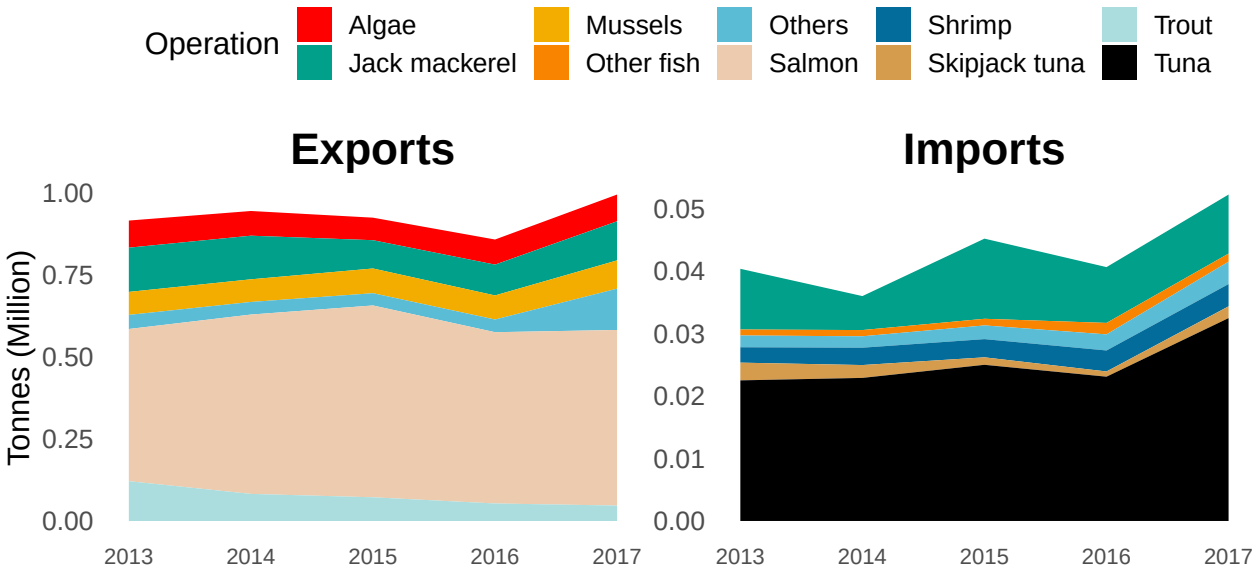


Figure 4: Main species exported and imported in Chile between 2013 and 2017. Note that the scales differ.