

Non Dynamic stuff with R Markdown, pdf

JEPA

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Figure 1: Crab Fishing Boat of Alaska

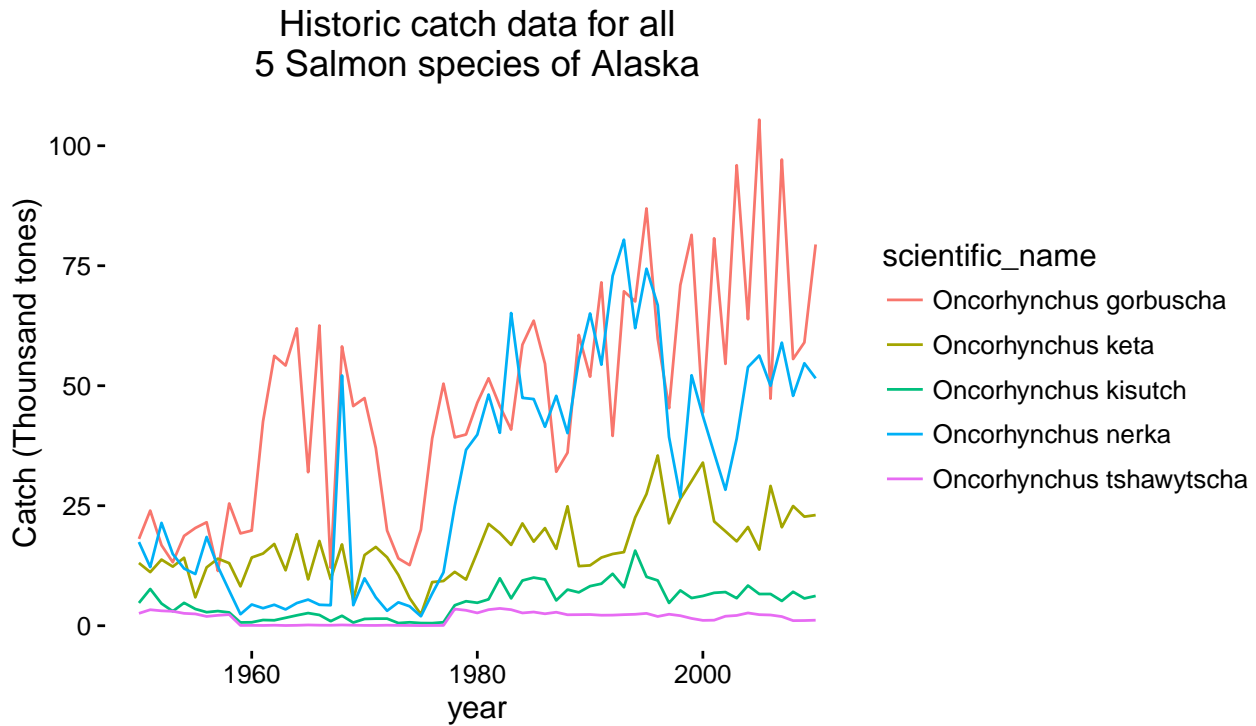


Figure 2: Historic Salmon Landings for Alaska between 1950 - 2010. Data from seararoundus.org

Introduction

Commercial fishing is a major industry in Alaska, and has been for hundreds of years. Alaska Natives have been harvesting *salmon* and many other types of fish since the early **17th century**. Russians came to Alaska to harvest its abundance of sealife, as well as Japanese and other Asian cultures(ADD CITATION). If you want to know more about Alaskan fisheries, you can go to Wikipedia where you'll find the following information:

- Job safety
- Salmon seining in Alaska
- Equipment
- Personnel

Salmon Fishery

In Alaska there are five species of fished salmon: *Oncorhynchus gorbuscha*, *Oncorhynchus keta*, *Oncorhynchus kisutch*, *Oncorhynchus nerka*, *Oncorhynchus tshawytscha*. The Alaska salmon fishery was saved due to strict mitigation measures and the implementation of policies. Alaska's successful conservation of their salmon resources is reflected in recent healthy and abundant salmon runs. Currently, the harvest in Alaska represents about 80% of the total wild-caught North American harvest of salmon, harvests from Canada representing about 15%, and harvests from Pacific Northwest states representing about 5%. Historic catch of Salmon species (1950-2010) in Alaska is around 20.35 thousand tons per year valued in 29.83 million dollars (Figure 1).

The 2010 Report

The Alaska Salmon commission estimated how many baby Salmon were not fished based on the following equation:

$$Z = \frac{\bar{x} - \mu_0}{\sigma / \sqrt{n}}$$

where all equations are completely made up!

They actually used Latex in the document to write that equation, just like this one: $BB_s = (M_S + D_S) * fec$, where BB_S is *Baby Salmon*; M_S is mummy Salmon and D_S is Daddie Salmon, and fec is fecundity.

The 2010 salmon season was one of the best on record with 161.39 thousand tons of fish harvested in Alaska, **the 11th highest number since statehood**. Preliminary 2010 estimates show that the salmon harvest generated 236.6 million dollars, the highest ex-vessel value in eighteen years (since 1992).

Table 1: Total Catch (tons) and Revenue (US dollars) of Salmon Species in Alaska (2010)

scientific_name	year	Catch	Value
Oncorhynchus gorbuscha	2010	79434.302	116450687
Oncorhynchus keta	2010	23051.630	33793689
Oncorhynchus kisutch	2010	6206.286	9098416
Oncorhynchus nerka	2010	51545.923	75566323
Oncorhynchus tshawytscha	2010	1154.375	1692313

Observations

Data was obtain from, Alaska fisheries data from Sea Around Us.

Note, all text here is copy-paste from Wikipedia and MUST NOT BE taken seriouslylly ;)