Supp Econ Table

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```r
#Attach packages
library(knitr)
library(kableExtra)
#library(rmarkdown)
library(tidyverse)
```

```
## -- Attaching packages ----------------------------------------------------------------

## v ggplot2 3.3.0      v purrr   0.3.3
## v tibble  2.1.3      v dplyr   0.8.3
## v tidyr   1.0.0      v stringr 1.4.0
## v readr   1.3.1      v forcats 0.5.0

## -- Conflicts -------------------------------------------------------------------------
## x dplyr::filter()     masks stats::filter()
## x dplyr::group_rows() masks kableExtra::group_rows()
## x dplyr::lag()        masks stats::lag()
```

```r
library(dplyr)
#library(tinytex)
#library(xtable)
```

```r
#Load data

supp <- read_csv("C:/Users/v.r.saccomanno/Desktop/Fed_Fish_Disasters/Supp_econ_table_csv_R_FINAL.csv")
```

```
## Parsed with column specification:
## cols(
##   `Disaster Number` = col_double(),
##   `Data Availability` = col_character(),
##   `Disaster Years (count)` = col_double(),
##   `Net Revenue Change (2019 USD)` = col_character(),
##   `Revenue Change ( %)` = col_character(),
##   `Minimum policy threshold met?` = col_character(),
##   `Confidence in data` = col_character(),
##   `Data source(s)/ notes` = col_character()
## )
```

```
#View(supp)
```

```
kable(supp, "latex", booktabs = T, longtable = T, align =rep("l", 8),
      caption = "Summary of revenue impact by all approved Federal Fisheries Disasters")%>%
  kable_styling(latex_options = c("striped", "scale_down", "repeat_header")) %>%
  landscape(margin = NULL)%>%
  column_spec(1, width = "6em")%>%
  column_spec(2, width = "6em")%>%
  column_spec(3, width = "6em")%>%
  column_spec(4, width = "8em")%>%
  column_spec(5, width = "6em")%>%
  column_spec(6, width = "8em")%>%
  column_spec(7, width = "6em")%>%
  column_spec(8, width = "15em")%>%
  row_spec(0, bold= T)
```

```
## Warning in styling_latex_scale_down(out, table_info): Longtable cannot be
## resized.
```

Table 1: Summary of revenue impact by all approved Federal Fisheries Disasters

Disaster Number	Data Availability	Disaster Years (count)	Net Revenue Change (2019 USD)	Revenue Change (%)	Minimum policy threshold met?	Confidence in data	Data source(s)/ notes
90	Data	1	$(1,687,134.16)	-96.30%	Yes	Medium	NOAA -no 2018 or 2019 data
89	No Data	NA	NA	NA	NA	NA	NA
87	Data	2	$(4,020,219.06)	(-)26.7135% and (-)16.4367%	No	High	CDFW, PacFIN
86	No Data	NA	NA	NA	NA	NA	NA
85	Data	1	$(12,785,858.18)	-100.00%	Yes	Medium	Data is from the request letter, but it is thorough
84	Data	1	$(17,602,000.00)	-17.80%	No	Medium	2018 data not available through NOAA; data is from NC Division of Marine Fisheries
83	Data	1	$(13,478,042.66)	-5.40%	No	High	Florida Fish and Wildlife Conservation Commission
82	Data	1	$(392,816.94)	-1.30%	No	High	Georgia Department of Natural Resources/Coastal Resources Division and NCDENR
81	Data	1	$(1,265,552.70)	-60.60%	Yes	High	ADFG -for only the gulf
80	No Data	1	$(1,702,614.88)	NA	NA	Low	Request letter
79	Data	1	$8,567,582.29	3.60%	No	High	NOAA - revenue increase
78	No Data	1	$(450,486.10)	NA	NA	Low	Revenue loss data from determination letter - unclear if "economic loss" is only langings
77	No Data	1	$(112,360,000.00)	NA	NA	High	NOAA press release
75	Data	2	$(6,857,470.90)	[-97.1%, -89.8%]	Yes	High	NOAA
74	Data	2	$(24,689,000.00)	[-63.8%, -51,8%]	Yes	Low	Data from OR and CA request letter because regionally specific; no tribal data
73	Data	1	$(1,736,732.80)	-86.40%	Yes	Low	Data taken from 3 out of 7 request letters and extrapolated out

Table 1: Summary of revenue impact by all approved Federal Fisheries Disasters *(continued)*

Disaster Number	Data Availability	Disaster Years (count)	Net Revenue Change (2019 USD)	Revenue Change (%)	Minimum policy threshold met?	Confidence in data	Data source(s)/ notes
72	Data	1	$(121,986,123.30)	-73.60%	Yes	Medium	NOAA; includes the Yukon management area
71	Data	1	$(1,092,398.00)	-38.40%	Yes	High	PFMC 2018 Review of Ocean Salmon Fisheries
70	No Data	NA	NA	NA	NA	NA	NA
69	Data	1	$(3,300,000.00)	NA	NA	Low	Request letter; did not provide numbers for 5-year revenue, but did specify direct loss from ex-vessel revenue
68	Data	1	$(743,740.80)	-93.90%	Yes	Low	Request letter. No economic estimate from Squaxin or Nisqually; econ estimate from Port Gamble or S'Klallam.
67	Data	2	$(38,543,340.51)	[22.7%, -74.1%]	No, yes	High	CDFW and value from PacFIN
66	Data	1	$(5,521,605.54)	-84.60%	Yes	Low	NOAA; data is state wide and doesn't isolate Willapa and Grays. No tribal esitmate
65	No Data	NA	NA	NA	NA	NA	NA
64	Data	1	$(4,402,333.38)	-49.40%	Yes	High	NOAA
63	Data	1	$(4,463,200.00)	-97.00%	Yes	High	NOAA press release
61	Data	1	$18,876,190.91	7.30%	No	High	NOAA - revenue increase
59	Data	1	$3,380,400.50	43.50%	No	High	FFWCC - Commercial Fisheries Landings Summaries report creator. Revenue increase.
58	Data	2	$(3,513,196.58)	[-92.5%, -67.1%]	Yes	Medium	ADFG -isolated by region but not tribal
56	Data	3	$(12,464,202.97)	[-26.3%, -1.4%, 12.7%]	No	Medium	NOAA- in house species selection
55	Data	1	$9,499,689.58	36.80%	No	High	NOAA - revenue increase

Table 1: Summary of revenue impact by all approved Federal Fisheries Disasters *(continued)*

Disaster Number	Data Availability	Disaster Years (count)	Net Revenue Change (2019 USD)	Revenue Change (%)	Minimum policy threshold met?	Confidence in data	Data source(s)/ notes
53	Data	1	$(548,564.53)	-17.80%	No	Medium	ODFW for all ports south of cape Falcon
51	Data	1	$(244,000.00)	-80.00%	Yes	High	Federal Register
50	No Data	NA	NA	NA	NA	NA	NA
49	Data	1	$(19,344,226.59)	-3.40%	No	High	NOAA
47	No Data	NA	NA	NA	NA	NA	NA
46	Data	1	$(5,798,529.70)	-23.30%	No	Medium	NOAA- in house species selection
45	Data	1	$(1,536,771.64)	-32.00%	No	High	ADFG - isloated by region
43	Data	1	$(15,479,881.67)	-78.20%	Yes	High	NOAA
40	Data	1	$6,239,124.65	2.30%	No	Medium	NOAA- in house species selection
39	Data	1	$21,304,712.87	6.60%	No	High	NOAA
38	No Data	NA	NA	NA	NA	NA	NA
37	Data	1	$14,827,133.85	21.70%	No	Medium	NOAA - do not isloate Chesepeake Bay
36	Data	1	$(11,888,830.46)	-26.20%	No	Medium	NOAA; includes "rainbow trout" for steelhead. Did not isolate tribal
33	Data	2	$73,615,385.11	[73.2%, 9.3%]	No	Medium	ADFG - does not islote just Bering Sea
31	Data	2	$(1,126,347.04)	[12.1%, -12.7%]	No	Medium	ADFG - does not islote just Bering Sea
30	Data	2	$(541,845.00)	[-72.7%, 21%]	Yes, No	High	SWFSC technical report on the Klamath
29	Data	1	$(169,681,221.60)	-21.00%	No	High	NOAA
27	Data	1	$(1,378,229.04)	-5.40%	No	Medium	NOAA - in-house species selection
26	Data	1	$20,118,330.72	273.40%	No	Medium	NOAA - in-house species selection
25	Data	3	$(787,346,805.20)	[-69.5%, -70.6%, -77.5%]	Yes	Medium	ADFG - does not islote just Bering Sea
23	Data	1	$(924,612.84)	-24.80%	No	High	NOAA

Table 1: Summary of revenue impact by all approved Federal Fisheries Disasters *(continued)*

Disaster Number	Data Availability	Disaster Years (count)	Net Revenue Change (2019 USD)	Revenue Change (%)	Minimum policy threshold met?	Confidence in data	Data source(s)/ notes
22	Data	1	$(239,347,663.90)	-69.20%	Yes	Medium	ADFG - does not islote just Bering Sea
21	Data	1	$(289,342,968.90)	-77.80%	Yes	Medium	ADFG - does not islote just Bering Sea
19	Data	1	$(14,130,000.00)	NA	NA	Low	Request letter - specifies loss as "direct benefits"; assumed to be total over multi-year period
18	Data	3	$(30,467,009.78)	[-81.1%, -45.0%, -62.6%]	Yes	NA	NA
17	Data	1	$(300,618,828.80)	-72.00%	Yes	High	ADFG
15	Data	1	$10,067,473.34	11.90%	No	Medium	NOAA - in-house species selection
14	Data	1	$(348,354.43)	-0.60%	No	High	NOAA
13	Data	1	$(16,669,638.28)	-10.80%	No	Medium	PacFIN Commercial Groundfish Catch Report for All Gear Types and All Areas
12	Data	1	$(1,315.88)	-1.20%	No	High	Florida Fish and Wildlife Conservation Commission
11	Data	1	$(143,208,615.80)	-54.60%	Yes	High	ADFG
10	Data	1	$(19,862,009.38)	-46.80%	Yes	High	NOAA
9	Data	1	$45,284,095.87	33.10%	No	High	NOAA
7	Data	1	$(192,057,607.70)	-62.90%	Yes	High	ADFG
6	Data	1	$(30,668,064.08)	-41.00%	Yes	High	NOAA
5	Data	1	$(74,261,440.87)	-38.20%	Yes	Medium	NOAA - no American Plaice
4	Data	1	$139,911,238.60	11.80%	No	High	NOAA
3	Data	3	$(361,357,959.60)	[-66.6%, -66.2%, -69.%2]	Yes	High	NOAA
2	Data	1	$(58,047,168.26)	-38.70%	Yes	Medium	NOAA - no American Plaice
1	No Data	NA	NA	NA	NA	NA	NA