

Survey evaluation

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R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

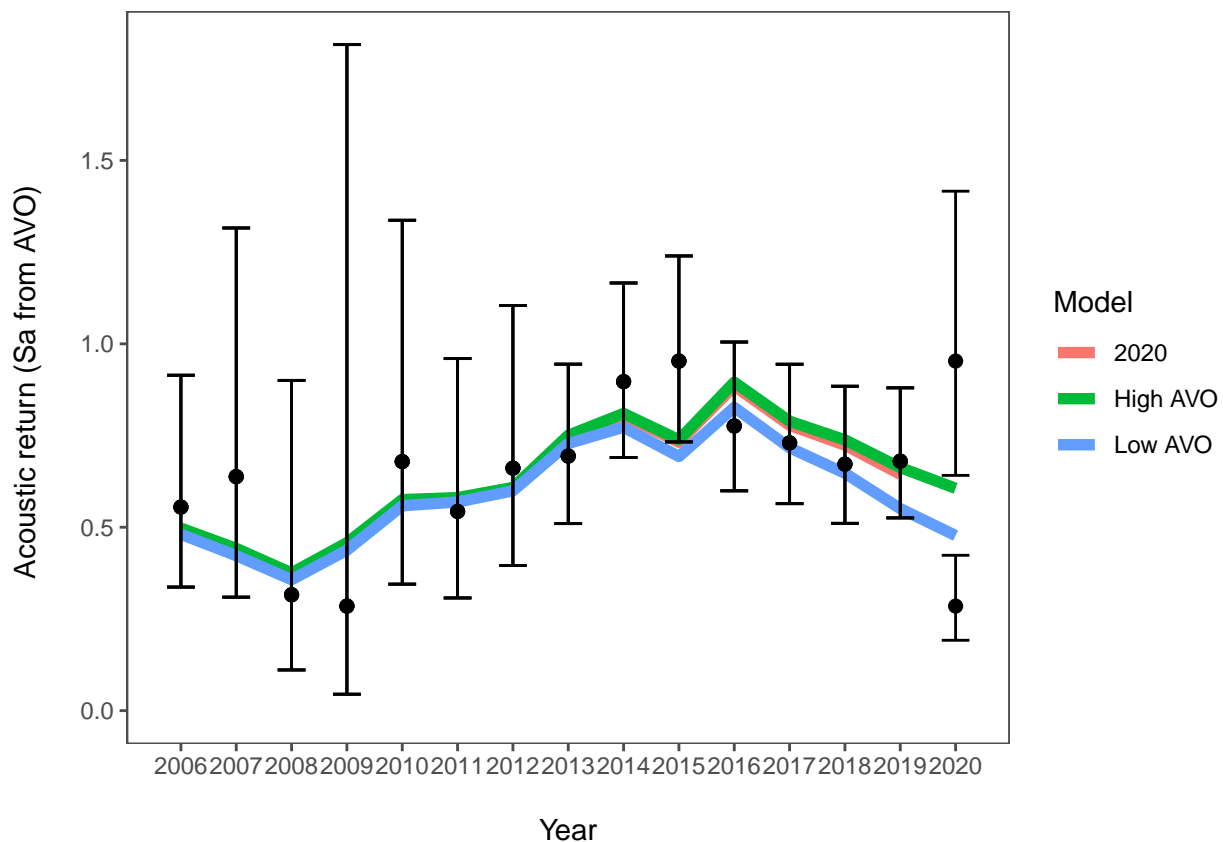
```
##      speed      dist
##  Min.   : 4.0    Min.   :  2.00
##  1st Qu.:12.0    1st Qu.: 26.00
##  Median :15.0    Median : 36.00
##  Mean   :15.4    Mean    : 42.98
##  3rd Qu.:19.0    3rd Qu.: 56.00
##  Max.   :25.0    Max.    :120.00
```

Including Plots

You can also embed plots, for example:

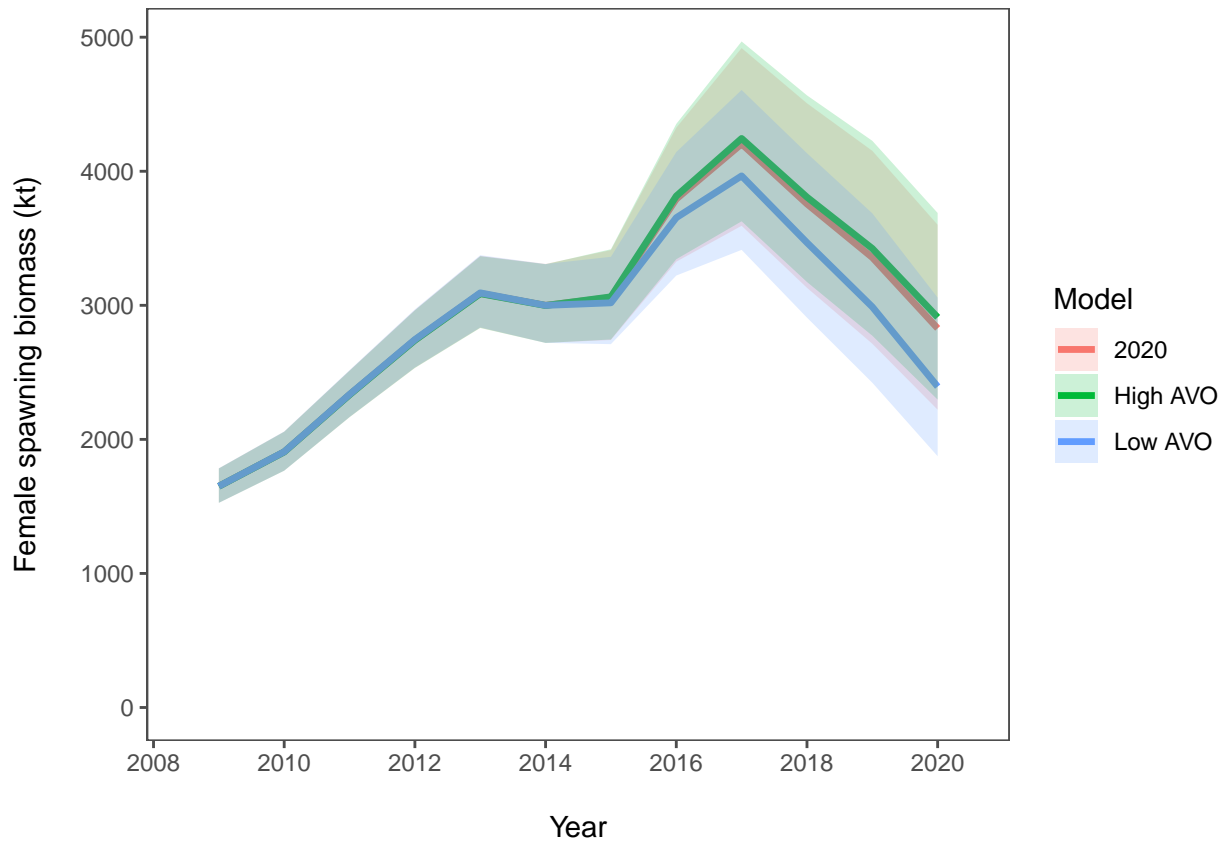
```
##
## Attaching package: 'dplyr'
##
## The following objects are masked from 'package:stats':
##
##   filter, lag
##
## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
##
## Attaching package: 'reshape2'
##
## The following object is masked from 'package:tidyr':
##
##   smiths
##
## Attaching package: 'data.table'
##
## The following objects are masked from 'package:reshape2':
##
##   dcast, melt
```

```
## The following objects are masked from 'package:dplyr':
##
##   between, first, last
##
## Attaching package: 'flextable'
##
## The following objects are masked from 'package:xtable':
##
##   align, display
##
## Attaching package: 'gridExtra'
##
## The following object is masked from 'package:dplyr':
##
##   combine
##
## Warning in matrix(mcmc, byrow = TRUE, ncol = npar): data length [121343] is not
## a sub-multiple or multiple of the number of rows [130]
##
## Warning in matrix(mcmc, byrow = TRUE, ncol = npar): data length [121343] is not
## a sub-multiple or multiple of the number of rows [130]
##
## Warning in matrix(mcmc, byrow = TRUE, ncol = npar): data length [121343] is not
## a sub-multiple or multiple of the number of rows [130]
##
## Warning in matrix(mcmc, byrow = TRUE, ncol = npar): data length [121343] is not
## a sub-multiple or multiple of the number of rows [130]
```



```
## Warning: Ignoring unknown parameters: order
```

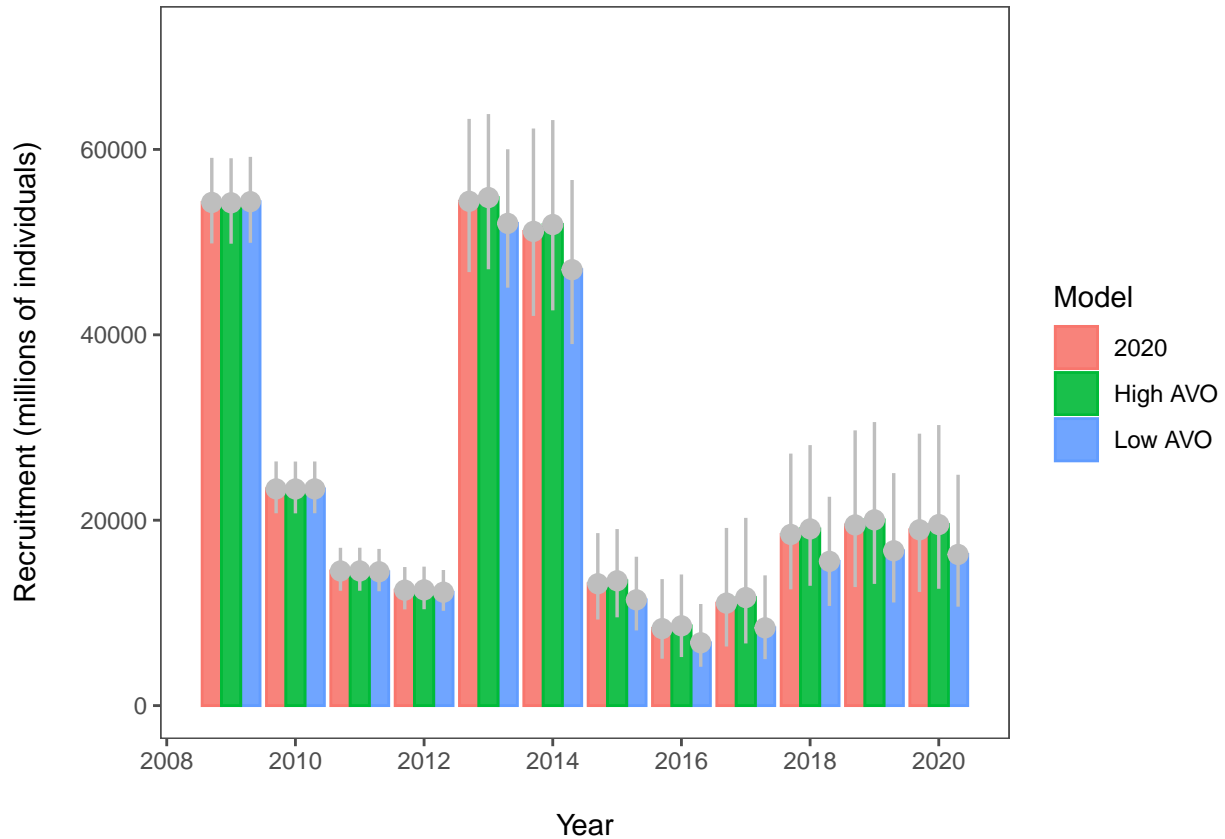
```
## Warning: Removed 135 row(s) containing missing values (geom_path).
```



```
## Warning: Ignoring unknown parameters: limits
```

```
## Warning: Removed 135 rows containing missing values (geom_bar).
```

```
## Warning: Removed 135 rows containing missing values (geom_pointrange).
```



```

## \begin{table}[ht]
## \centering
## \caption{Summary of model 16.1 results and the stock condition for EBS pollock. Biomass units are th
## \label{tab:res_summ}
## \begin{tabular}{lll}
## \hline
## Component & Low AVO & High AVO \\
## \hline
##  $B_{2020}$  & 2,000 & 2,600 \\
##  $CV_{B_{2020}}$  & 0.14 & 0.13 \\
##  $B_{MSY}$  & 2,119 & 2,194 \\
##  $CV_{B_{MSY}}$  & 0.22 & 0.23 \\
##  $B_{2020}/B_{MSY}$  & 93\% & 116\% \\
##  $B_0$  & 5,567 & 5,752 \\
##  $B_{35\%}$  & 2,123 & 2,177 \\
## SPR rate at  $F_{MSY}$  & 28\% & 28\% \\
## Steepness & 0.67 & 0.66 \\
## Est.  $B_{2019} / B_{2019, no fishing}$  & 0.53 & 0.59 \\
##  $B_{2019} / B_{MSY}$  & 113\% & 133\% \\
## \hline
## \end{tabular}
## \end{table}

```

The end

““

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.