Readme for running scenario analyses

Todo

1. Run prep\_data\_for\_scenario\_df\_function.R: makes CA\_DCRB\_vms\_fishing\_daily\_2009-2018\_fishtix\_humpback\_blue\_whales\_grids.RDS
   1. Needs to be simplified, don’t need whale data as that gets brought in later in step 3d
   2. Update to include 2019 data
2. Run make\_scenarios\_table.R: creates df containing scenarios of interest
3. Run Mgmt\_testing\_JS.R
   1. Once testing is completed, should develop a final script
   2. Brings in whale data (or not)
   3. Runs effort\_mgmt() function from Mgmt\_scenarios\_shift\_effort.R to create list of scenario-specific df’s
   4. Runs risk\_mgmt() function from Mgmt\_scenarios\_risk.R, which summarizes risk for scenario-specific df’s
4. Run make\_tradeoff\_dataframes\_function.R:
   1. for each scenario df, (1) sum by crab\_year (over year\_month and Region) to get annual values for each crab\_year, (2) join to metadata for scenario
   2. make tradeoff df
   3. outputs are annual\_statewide\_scenario\_ouputs\_05-08-2020.rds and tradeoff\_df\_05-08-2020.rds
   4. I implemented this function in Mgmt\_testing\_JS.r
5. Run plot\_tradeoffs\_function.R
6. Run plot\_bivariate\_function.R
7. Run plot\_timeseries\_function.R