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
   3. Assign grid cells to region value using lookup key. See .rds SW made with script Grid\_key.R
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
      1. Bring whale data in here
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
      1. Check that relative values are all relative to region as well as crab year
   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