**Replication Package for “Partnerships between organizations that manage protected land in California are** f**requent and related to missions regarding wildlife and nature”**

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All code and data required to reproduce figures and tables in the main text and supplementary information are included in this folder. All code files are included as .Rmd and knitted .html file types.

**1. Folder Structure**

* All .Rmd files needed to recreate tables and figures in the main paper text and SI are included in the “ReplicationPackage” folder.
* “ReplicationPackage/Data” contains all data necessary to run the code
* “ReplicationPackage/Output” will hold all output files including figures and excel sheets.

**2. Code Files**

**Note:** Prior to running any Rmd code files, the replicator will need to install the package “pacman” using install.packages(“pacman”). After this installation, all required packaged will be automatically loaded using the p\_load command.

* **“analysis.Rmd”:** Runs analysis for t-tests, chisquare tests, and generates most figures in the paper and SI. All output saved to “ReplicationPackage/Output”
  + Tables produced by this code will appear formatted in the html knit files
  + Figure 1 was created using the PADUS database, which we cannot provide in this repository
* **“100\_acre\_networks\_clean.Rmd”:** Generates network figures (Figure 3) in main text.
* **“Networks\_analysis\_kwic.Rmd”:** Performs keyword in context (kwic) analysis, generates word clouds, and saves frequency lists used to generate final themes that were manually sorted for analysis. All tables not accounted for in other files are generated based on excel sheets outputted by this code.
* **“table SI1.Rmd”:** Produces information used to create table 1 in the SI
* **“Robustness\_check\_liferesid.Rmd” and “Robustness\_check\_recreatopportun.Rmd”:** These two .Rmd files test robustness of our results to slight changes in phrases used. More detail is included in the main text. They also output SI Figures 1 & 2, respectively.

**3. Data**

* **“Themes\_KeyPhrases\_final.xlsx”:** Manually grouped phrases into Socio-economic and Ecological themes based on top word frequency lists.
* **“CA\_orgs\_nUnits.xlsx” and “CA\_orgs\_unit\_area.xlsx”:** Total protected areas (number) and acres protected by organizations in our data set.
* **“CA\_PAs\_interaction\_rfftyp\_N\_diagpship\_100acremin.xlsx” and “CA\_PAs\_interaction\_rfftyp\_acres\_diagpship\_100acremin.xlsx”:** Adjacency matrices used as input to network figures. These files contain information on total number of protected areas and total acres protected by individual managing entities and in partnership.
* **“NonPartnering\_Orgs.csv” and “Partnering\_Orgs.csv”:** Names of managing entities in California and total acres in partnership.
* **“MS\_Full.csv”:** Mission statement information for each managing entity in our data set.