Analysis of marsh bird data

R project name: marshbird

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**Project Overview and Script Format**

The project includes all the required data and code to fit models, summarize results, and produce figures. The files are grouped in an R project and thus are relatively linked. This means that you do not have to change your working directory to get scripts to run on your machine. Simply unzip the folder, open R, select file>open project>browse to the unzipped folder>click the rproject file with the name listed above in heading. Each script starts with a preamble that will clear your workspace and load the required packages. You may have to install packages first if they are not yet installed on your machine. Otherwise, the script should run from start to finish.

**Naming and Organization of Files**

The first letter of a script file relates to a hierarchy of dependency. For example, scripts starting with “a” need to be run before scripts starting with “b.”

“a” scripts

* Do not depend on other scripts
* Use data from “raw\_data” folder
* Typically involve data formatting
* Last line writes formatted data to “processed\_data” folder

“b” scripts

* Depend on output from “a” scripts
* Data read from “processed\_data” folder (usually)
* These scripts typically perform an analysis

“c” scripts

* Depend on processed data
* Typically used to summarize data or produce graphics