**Wrapping up Manuscript 1**

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| Task | Task Completed |
| Download ACC Data for All Nesting Hens | In Progress |
| Send Franny introduction and methods for manuscript one | In Progress |
| Run incubation Dates Script and Obtain Start and End Dates, Create a PDF for all individuals that have NAs for start or end date | No |
| Visually inspect start and end dates for each nesting attempt and potentially constrain the dataset to contain only nesting attempts that were checked within 2 weeks of the estimated termination day | No |
| Take output from incubation start and end date script and download all GPS data associated with each nesting bird | No |
| Check to see if I have access to Karen’s PC | In Progress |
| On Karen’s PC fit the individual movement model in JAGS with tracks containing a temporal resolution of an hour (Compared to 30 minutes) see how long this takes | No |
| On my work PC fit the individual movement model in NIMBLE with the same 30 minute temporal resolution and compare it to the original 36 hour timeframe | No |
| If the timeframe is significantly less for the model to fit in NIMBLE switch all models in manuscript one to NIMBLE for consistency | No |
| Finalize results for individual movement model in Pennsylvania, create same figures and prediction plots as nest-site selection model, inspect results | No |
| Download daily precipitation and daily minimum temperature from Daymet for Pennsylvania, Maryland, and New Jersey and use David’s loop to extract point values for each day of incubation | No |
| Obtain REV and parasite diversity covariates and store in dataframe | No |
| Obtain time spent off nest metric using ACC data | No |
| Merge all covariates together for use in known fate model | No |
| Fit known fate model with all covariates and inspect outputs and chains | No |
| Exponentiate daily nest survival rate by 28 days (Statistically significant incubation length in turkey literature) this will provide us with our nest success rate in Pennsylvania | No |
| Obtain odds ratios for nest-level, landscape-level, and weather predictors to gauge their effect on daily nest survival and nest success in Pennsylvania | No |
| Finalize results for known fate model by creating a figure (TBD with Franny) | No |
| Send model results from all three models to Franny | No |
| Create Predictive surface of landscape-level habitat for nest-site selection model in Pennsylvania and send to Franny. Overlay PA WMU boundaries | No |
| After approval of results in Pennsylvania, download data from Maryland and New Jersey (I’ll probably do multi-state analysis in separate scripts) | No |
| Obtain NLCD point values for each nest-site in Maryland and New Jersey | No |
| If possible extract land cover data from Maryland and New Jersey 100m away from the nest-site in each of the 4 cardinal directions, if there is a spatial tool where we can do this, then we can fit a nest-site selection model for the two states, if not we will focus on the individual movement and known fate models (No veg surveys in Maryland and New Jersey) | No |
| Fit individual movement model separately for Maryland and New Jersey, create same figures as Pennsylvania (We could even just merge estimates onto a single figure with different colors or shades for each state) | No |
| Obtain time spent off nest metric for hens in Maryland and New Jersey using ACC data | No |
| Using NLCD point values, weather, (potentially disease if available) fit known fate model separately for Maryland and New Jersey and inspect outputs | No |
| Obtain odds ratios for nest-level, landscape-level, and weather predictors to gauge their effect on daily nest survival and nest success in Maryland and New Jersey | No |
| Create visualizations for known fate model for both Maryland and New Jersey (May be able to merge results into a single figure) | No |
| Create predictive surface using model outputs from Maryland and New Jersey to visualize turkey nesting habitat. Separate map for each states and overlay WMU boundaries | No |
| Send all figures to Franny | No |
| Write results section of manuscript- Nest-site selection models | No |
| Write results section of manuscript- Individual movement models | No |
| Write results section of manuscript- known fate models | No |
| Write discussion section of manuscript- Why do we think we got the results we did? How does this compare with what other studies found | No |
| Write discussion section of manuscript- Management implications, why do our results matter | No |
| Draft to Franny | No |
| Draft to coauthors | No |