**Ideas from** **2019-02-19 meeting:**

**Main changes to existing functions:**

1. **tripSplit**:
2. build in option to loop over grouping variable (e.g. colony/year)
3. **tripSummary**: Steffen
4. What changes?
5. **scaleARS**: Jono + whoever else
6. Include pragmatic solution/guidelines of suggesting an *h* value (or that analysis not be conducted at all) based on Oppel et al. 2018 figures.
7. Set fix range of scales (e.g. 1km-250km), and provide device-type/sampling resolution-specific recommendations for the interval of scales for FPT analysis.
8. **batchUD:** no major changes
9. **varianceTest:**
10. Perhaps replace with Virginia’s IndEffectTest()
11. **Bootstrap:** Martin + Lizzie
12. (MB) Add visualization option (relationship btwn sample size and area used)
13. (MB) Check if it could speed things up to make the number of combinations run dependent on the number of possible combinations at each sample size (**Bootstrapping is WITH replacement** **so maybe moot point**).
14. Test and assure cluster functionality (LP)
15. **polyCount:** Steffen
16. **thresholdRaster:** Steffen

* Combine these two functions into one (e.g. FindIba function) by setting the threshold first and counting overlapping UD polygons rather than gridded polygons.
  + Advantage of polygon output rather than grid cell output defined by subjective grid resolution.

**General things to work on:**

* Translating to Tidyverse syntax
* Simple Features
  + First focus on spatial processes that create bottlenecks (i.e. overlays, intersections)
* Testing against all data types we have!!