**Overall structure of the code:**

**GetDiamondTrackBehavior** (the overall function, running this runs everything from raw data to plotting)

* **getDiamondTrackBehaviorMetrics** – creates the big data structure for plotting
  + **loadRawDiamondVirmenFile –** converts raw virmen file to mat
  + **calcDiamondMetricsByTrial –** splits up raw data into trials
  + **calcDiamondMetricsBySess –** concatenates trial data to get whole session metrics
* **plotDiamondTrackBehaviorMetrics** – generates all the plots from the output of getDiamondTrackBehaviorMetrics