

# Script Overview by Jasmin Walter

## From raw ViewedHouses.txt to graphs:

1. CondenseViewedHouses.m – Script: data is cleaned + a condensed list of viewed objects is created → a viewed object is only listed once with the amount of samples falling onto the object
2. seen\_vs\_glanced.m – Script: divides condensed viewed houses list based on a set sample value into fixated and non-fixated objects
3. seenHouses\_Graph.m – Script: creates graph objects for every participant based on seen/fixated objects

## Analysis:

- plot\_print\_Graphs – Script: plots graphs and can print them to png or pdf format
- graphAnalysis\_Degree – Script: creates overview table of node degree of all participants
- graphAnalysis\_Centrality – Script: calculates and plots different types of centrality measures

## Visualizations:

- drawGraphMap.m – Skript: draws graphs on map image of Seahaven
- drawGraphOnMapCentrality.m – Script: draws graphs on map image of Seahaven while color coding nodes to degree centrality values

## additional Files:

- houseList.m – is a complete list of all houses which exist in Seahaven
- CoordinateListNew.txt – is a complete list of all houses and corresponding coordinates in Seahaven
- Map\_Houses\_green\_edges\_New.jpg – is a map of seahaven