

1126-94-141 **Amy N Langville*** (langvillea@cofc.edu), 1014 E. Ashley Ave-PO Box 295, Folly Beach, SC 29439. *Rankability of Graphs*. Preliminary report.

Many methods exist for analyzing data on pairwise assessments of items in order to create a ranking of these items from most to least important. However, very few of these ranking methods produce associated measures of how confident one can be in the ranking. The related question that we ask is: just how rankable is a dataset? After presenting several definitions for rankability, we wonder at what point a time-evolving dataset is rankable? That is, when do we have enough information to produce a meaningful ranking? Furthermore, if a dataset is not very rankable, can we solicit information and which information to make it more rankable? The talk will be a presentation of work-in-progress on rankability. (Received January 09, 2017)