

1135-VB-2083 **James P. Howard, II*** (james.howard@jhu.edu). *Two Fields Separated by a Common Language*. Preliminary report.

This talk will explore the parallel development of mathematics and statistics as fields. Further, it will show how the language of mathematics permeates statistics. Next, this talk will provide a comparison to physics as field that uses mathematics as a toolkit, but not as a core experience. Finally, this talk will argue that statistics cannot be considered a branch of mathematics and is instead an independent field along with the implications of such a decision on pedagogy. (Received September 25, 2017)