

1125-62-764 **Jason Morton*** (morton@math.psu.edu). *Slow inconsistent statistics*. Preliminary report.

Traditionally categorical data analysis (e.g. generalized linear models) works with simple, flat datasets akin to a single table in a database with no missing data. What if we have a distributed database with many partial local tables, and data is streaming in too fast for the local tables ever to be globally consistent? I'll discuss how some hints from physics (e.g. quantum nonlocality) could help define sensible algebraic models in this scenario. (Received September 11, 2016)