

1126-00-202 **Jennifer L Priestley***, 1235 Briarwood Drive, Kennesaw, GA 30144. *Why Data Science is so dependent upon Mathematics*. Preliminary report.

Data Science is a nascent but popular field of study with "data science" and "analytics" programs emerging on almost every college campus across the country.

These programs have integrated varying degrees of Mathematics into their curriculum.

In this session, Kennesaw State University - which houses one of the country's few Ph.D. programs in Data Science, will explain the foundational role that Mathematics plays in the Data Science curriculum.

Specifically, KSU will discuss how Linear Algebra, Graph Theory and Discrete Optimization should be considered to be foundational concepts in any data science curriculum. (Received January 13, 2017)