

1126-68-342

Edgar J Fuller* (ef@math.wvu.edu), 320 Armstrong Hall, Department of Mathematics WVU, West Virginia University, Morgantown, WV 26506. *Applications of Data Analytics to Security and Neuroscience.*

New software tools, increasing computational power and better understanding of the underlying mathematical problems have combined to enable the application of data analytics to 'use-cases' from a variety of fields. This talk will cover a number of applications arising in my recent work in computational neuroscience and currently in my role as a AAAS Science and Technology Policy Fellow at the Department of Homeland Security Science and Technology Directorate. I will give an overview of some of data streams and the tools that are being applied to analyze them. (Received January 17, 2017)