VCU Math Fall 2022 Course

Applied Linear Algebra (MATH 511)
Prof Craig Larson

Linear Algebra & Data

TTh 9:30 am - 10:45 am
4155 Harris Hall (Computer Lab)

Course Description. A highlight of the fundamental elements of linear algebra including such important topics for machine learning as: matrix multiplication, eigenvalues and eigenvectors, singular value decomposition (SVD), principal components, and many others topics needed for understanding what drives machine learning.

We will be using the **Python** programming language, and the **Sage** mathematical programming environment. While we will prove many things there will be an emphasis on **computation**. The text will be MIT prof Gilbert Strang's *Learning from Data*.

Tell your friends!

Please contact Craig Larson clarson@vcu.edu for further information. **The Prerequisite is undergraduate Linear Algebra (Math 310), with a minimum grade of C.**