

## Length/Angle of Vectors and Their Relation to Variances/Correlations

## Dr. Goutam Chakraborty

## SAS® Professor of Marketing Analytics

Director of MS in Business Analytics and Data Science (<a href="http://analytics.okstate.edu/mban/">http://analytics.okstate.edu/mban/</a>)

Director of Graduate Certificate in Business Data Mining (<a href="http://analytics.okstate.edu/certificate/grad-data-mining/">http://analytics.okstate.edu/certificate/grad-data-mining/</a>)

Director of Graduate Certificate in Marketing Analytics (<a href="http://analytics.okstate.edu/certificate/grad-marketing-analytics/">http://analytics.okstate.edu/certificate/grad-marketing-analytics/</a>)

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## Outline

- Use of vectors, matrices and formulas for:
  - Inner product of vectors
  - Length of a vector and variance of a variable
  - > Angle between vectors and correlation between variables

