An arc segment represents the first division of an institution’s data (e.g. a department.)

A sub-segment within an arc represents the next level of data organization (e.g. a subject.)

**Institution Level** University X

**Department Level** Mathematics

- Calculus
  - Derivatives
  - Integrals
  - Optimization
- Probability
  - Random events
  - Risk

**Subject Level** Probability

- Random Events
  - Understand the concept of randomness
  - Calculate the probability of a random occurrence
  - Be able to count combinations of various choices
The Xoces visualization displays the structured data set, enabling exploration of learning outcomes on institution, department, subject and individual module levels. The Xoces visualization is a backend-agnostic modern web application, designed to interact with flexible data sources. Data sets for the Massachusetts Institute of Technology (MIToces) and the Singapore University of Technology and Design (SUTDoces) reside in Backstage, a backend interface developed by the Strategic Education Initiatives team within MIT Office of Digital Learning.

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