

# Day 5 Notes: Lists

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## Lists

Last time we talked about list environments including `itemize`, `enumerate`, and `description`. We could make an itemized list with the following code:

```
% neat bonus for today, verbatim
\begin{itemize}
  \item item 1
  \item item 2
\end{itemize}
```

The result of this code is the following output:

- item 1
- item 2

We have yet to explore the `description` environment, for this we ‘count’ by labels or categories. For example,

**Mathematics (Pure and Applied)** Calculus, Linear Algebra, Differential Equations, Modern Algebra, FOAM (Foundations of Advanced Mathematics), Number Theory, Numerical Linear Algebra

**Actuarial Science** Mathematics of Life Contingencies, Theory of Interest

**Statistics** Nonparametric Statistics, Computer Applications Statistics

**Mathematics Education** Foundations of American Education,

The description list could be especially useful if you were trying to do something like organize a ‘proof by cases’. Given that we see many different fonts on the screen, we might want to know other ways to manipulate fonts. We might want **bold**, *italics*, underline. An old-fashioned way for **bold** text was to use a different command. But this is not recommended for fairly obvious reasons.

If we wanted to use this command for *italics* we have to be more careful. We can make text large or small. We can go so far as **huge** or tiny. Sometimes *emphasized* text can be useful.