Day #5: lists

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Sometimes it is useful to list information. For example,

- Computer Science

- Actuarial science

- Mathematics

  - Calculus
    - * Limits
    - * Derivatives
    - * Integrals
    - * Applications
  - FOAM (Foundations of Advanced Mathematics)
  - Differential Equations
  - History of Mathematics

- Statistics

- Philosophy

We can also number things. For example,

1. For $f(x) = x^2$, find $f'(x)$ using,

   (a) the limit definition of the derivative

   (b) the power rule

2. Consider the expression t^{2^2} or t^{2^2}. I think the first one is the best way to do this. Alternatively we could write this as $(t^2)^2$. Doing this any less carefully results in a "double superscript" error.

For curiosity we can manually change symbols,

† this is a "dagger" symbol

‡ this is a "double dagger" symbol

○ this is a 'circ' symbol, which looks like one of the itemize options already

In writing proofs, we often need to organize our ideas very carefully. For example in proof by cases, as follows

n is even.
some calc   ulat   ions
I can add more text here. I can add more text here. I can add more text here. I can add more text here. I can add more text here.

n is odd. some more calculations

How to override spacing.

with the quad command
text goes below

with the slash-comma trick
text goes below

with the phantom command
text goes below

with your own trick I don't know what this is figure it out yourself.

To work on a resume, we could organize with a list.

Education

Employment History

Volunteer and Service

Awards and Honors

Skills and Certifications LaTeX, python (beginner), R (intermediate), sage, Microsoft Office

References Technically *not* part of the resumé, but provided alongside as a separate document