

# **Project title**

Purdue ME 597, Distributed Energy Resources

Team member #1

Team member #2

Team member #3

April 1, 2025

# Background and motivations

- why should we care about the problem?

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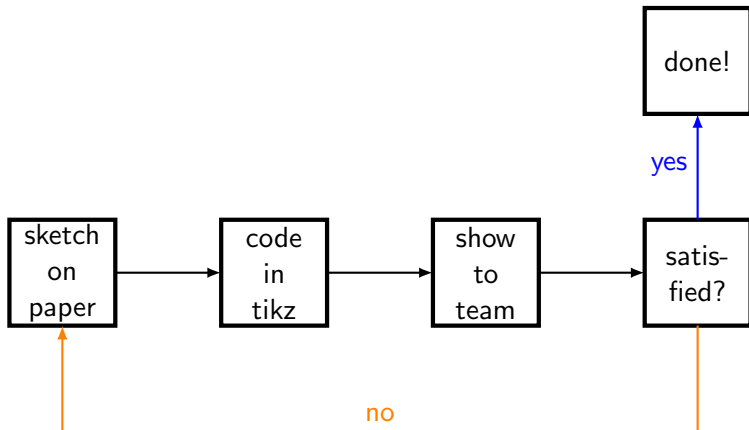
(you don't have to follow this exact format)

here's one way to write an optimization problem:

- **decide**  $x \in \mathbf{R}^n$
- to **minimize**  $f_0(x)$
- **subject to**
  - ◊  $Ax = b$
  - ◊  $f_1(x) \leq 0, \dots, f_p(x) \leq 0$
- **given**  $A \in \mathbf{R}^{m \times n}$ ,  $b \in \mathbf{R}^m$ , convex  $f_0, \dots, f_p : \mathbf{R}^n \rightarrow \mathbf{R}$

## Problem statement (continued)

here's one way to draw a diagram:



- what work have others done on the problem?
- what did they find<sup>1</sup>?
- how do your methods or findings differ?

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<sup>1</sup>here's one way to cite stuff

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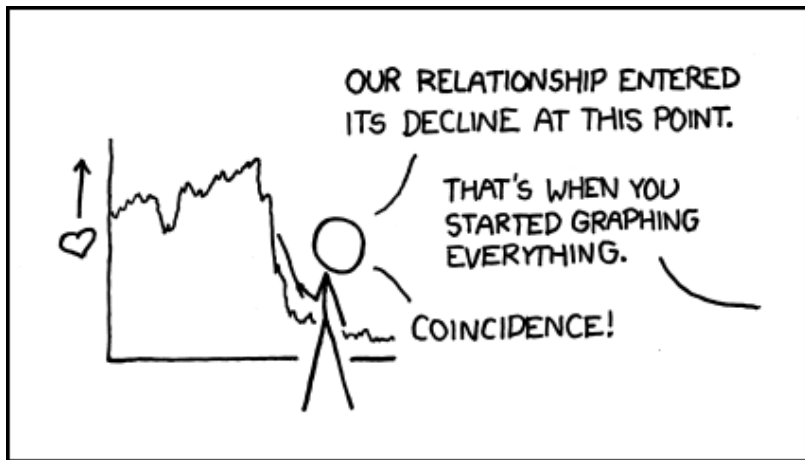
- **caution!** equations can lose the audience; use them sparingly

here's one way to make a table:

	$\text{\LaTeX}$	Word
elegance	divine	infernal
learner's curve	steep	gentle
geek cred	l33t	n00b

## Results (continued)

here's one way to include graphics:



# Backup slides (a few tips)

# Timing

- budget ~2 minutes per (substantial) slide
- it's much better to end a bit under time than to go over
- if you're nervous about time (or anything else), **PRACTICE!**

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- minimize clutter



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- if you must include a busy slide, roll it out in stages

# Graphs

- walk users through every graph you show
  - ◇ what are the horizontal and vertical axes?
  - ◇ if there are multiple curves, what does each represent?
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- make sure all text in graphs is big enough to read
  - ◇ axis labels
  - ◇ legends
  - ◇ text annotations