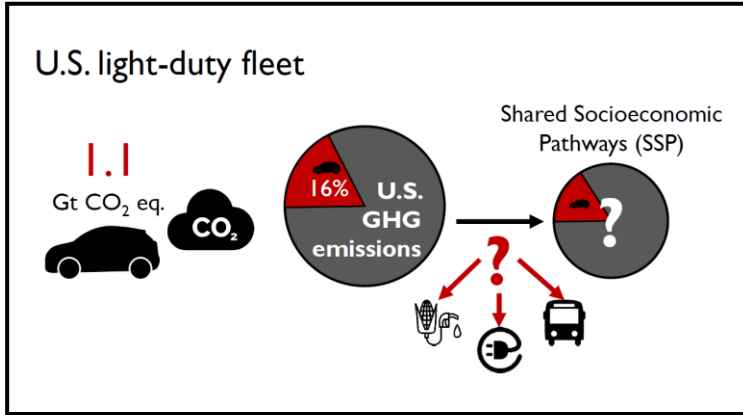


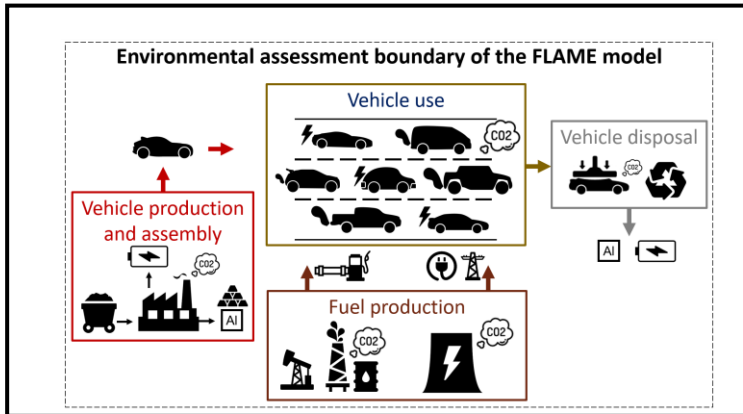
Example 1

Storyboarding Template: Greenhouse gas emissions implications of light-duty fleet electrification



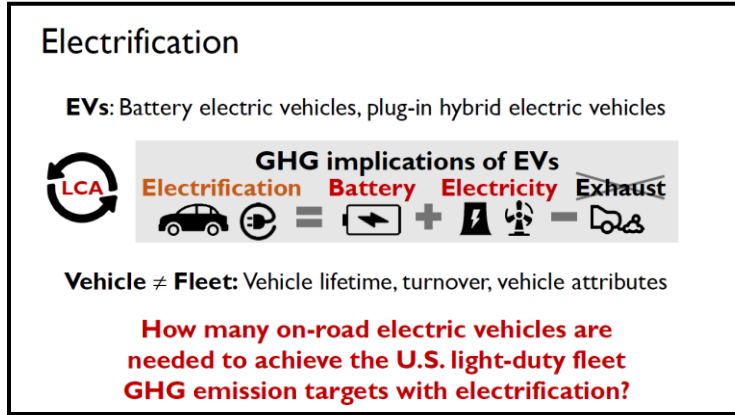
Background/Content

- Outline the high-level problematic
- E.g., GHG emissions of light-duty vehicles



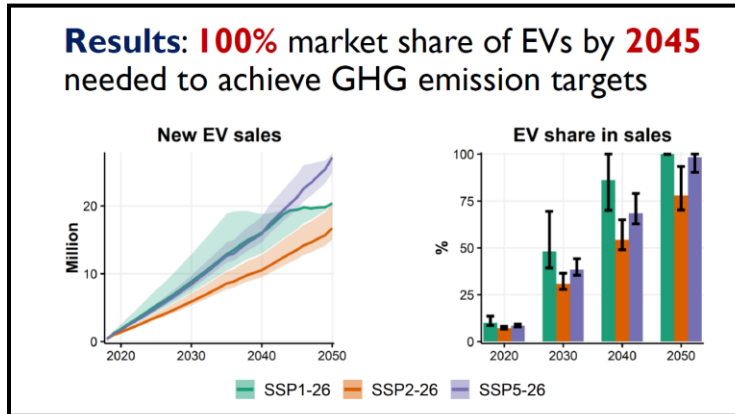
Methods - Emphasizes:

- Emphasize some part of the methods. Adjust the emphasize to the audience
- E.g., the boundary of the environmental assessment (for environmental assessment focused audience)



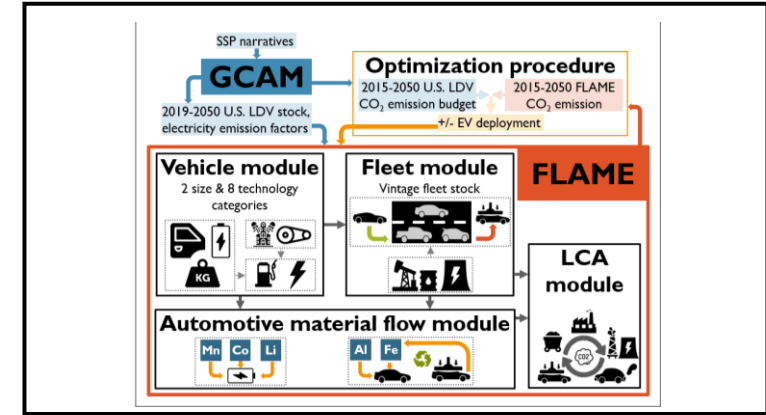
Context and Objectives

- Outline a low-level problematic
- E.g., Challenge of reducing GHG emissions in light-duty vehicles, trade-offs of electric vehicles
- Formulate objective as a question



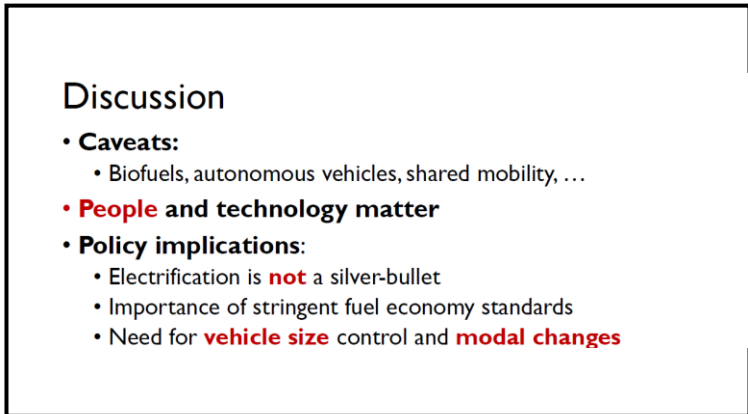
Results:

- Answer the formulated questions with the model results. Only show necessary results.
- Tip: Outline the findings of the results in the slide title
- E.g., 100% market share of EVs by 2045 needed to achieved the GHG emission budgets



Overview of Method

- Overview of the developed method to answer the objectives
- E.g., modules of the model framework and their interactions

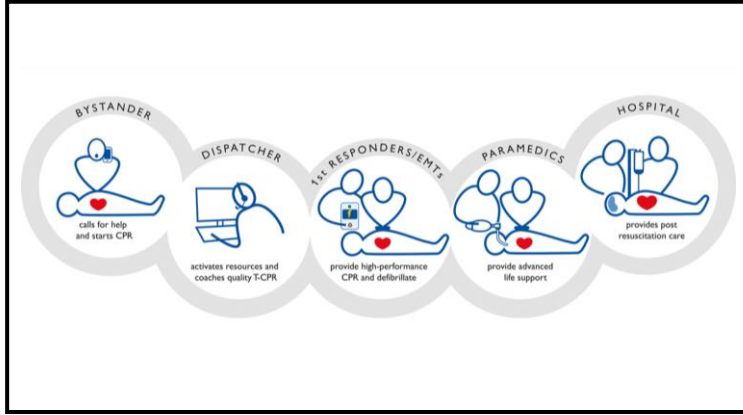


Discussion/Conclusions:

- Provide some element of discussions for high-level and low-level problematics.
- Outline contributions, limitations and potential further work

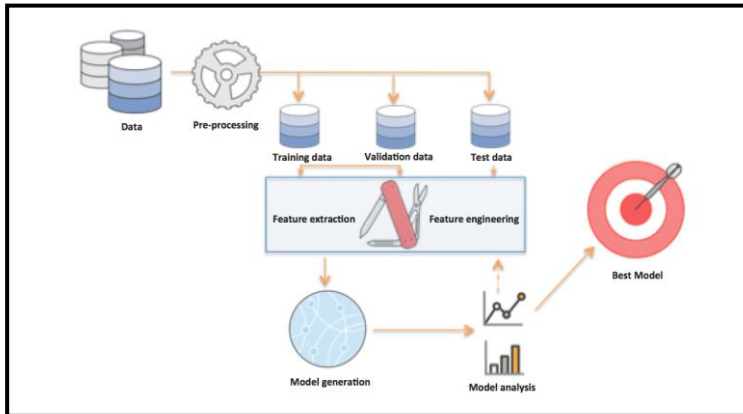
Example 2

Storyboarding Template: Optimized versus existing automated external defibrillator locations



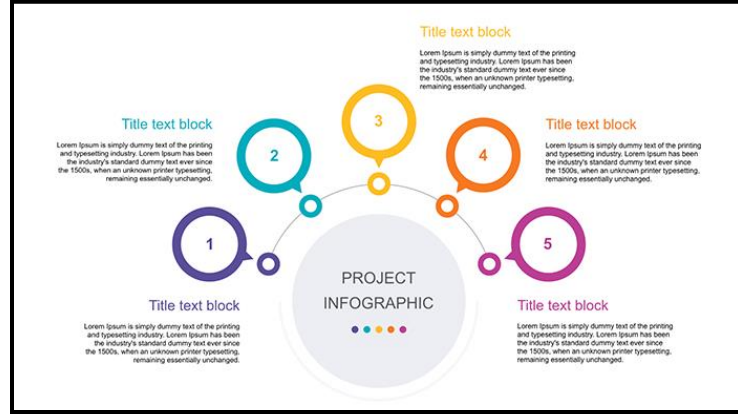
Background/Content

- Highlight: OHCA chain of survival ideology
- Importance of bystander response and AED use; Out-of-hospital cardiac arrest outcomes



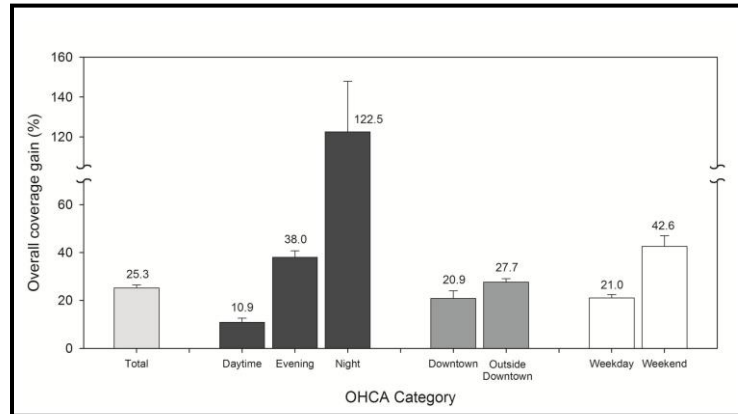
Methods – Emphasize model formulation:

- Highlight: Model architecture and pipeline using diagram (computational graph)
- Ensure clarity of data sources, inputs, and outcome measures (OHCA coverage and predicted patient outcomes)
- Introduce definition of OHCA coverage.



Literature review

- Use creative format: Timeline of key studies and policy decision on OHCA response and AED use



Results:

- Highlight significant improvements of optimization over existing AED placements based on study measure.
- Emphasize using figure: Cumulative results and time series visualisations

Contributions

1. Lorem ipsum dolor sit amet, consectetur
2. Adipiscing elit, sed do eiusmod tempor
3. Incidunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud
4. Exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat
5. Duis aute irure dolor in reprehenderit in voluptate velit esse

Overview of Goals/Contributions

- Concise and clear list of contributions of work (No distractions just text)
- Highlight key points: First in silico trial in AED response; optimization can increase AED use

Conclusions

- Adipiscing elit, sed do eiusmod tempor
- Duis aute irure dolor in reprehenderit in voluptate velit esse

Conclusions:

- Reemphasize key contributions from previous slides.

Example 3

Storyboarding Template

- list of commercial cell sorters
- pros
- cons

- image/schematic of cell sorter

Slide one central message:

Commercial cell sorters in practice have certain pros and cons

-microfluidics are better because ____

-images of state-of-the art microfluidics

Slide two central message:

Microfluidics circumvents cons of commercial cell sorters with high sensitivity and low detection limits

-identify the pro in commercial sorters that microfluidics lack, i.e. multiplexing

-describe the goals of multiplexed sorting

Slide 3 central message:

The next innovation in microfluidics will be multiplexed detection

-examples of current microfluidic strategies to address multiplexing

-limitations in current methods

Slide 4 central message:

Current microfluidic methods exist for multiplexing, but have limitations

-introduce DNA logic gate strategy, diagram

-briefly describe microfluidic strategy (have gates to cause magnetic nanoparticle binding, leads to magnetizing cells to sort

Slide 5 central message:

Our strategy is to use DNA logic gates to design multimarker cell sorting mechanisms

-applications of approach (e.g. identify double positive, single negative marker cell types)

-disease types that would benefit from multimarker sorting, and why microfluidics is superior

Slide 6 central message:

Multimarker microfluidic cell sorting will benefit in specificity and speed of sorting cells for many disease models