Slide showing a scatter plot

From Gopal Adhikari, an early career researcher

Draft version

Intended message. Slide that is part of a larger slide deck on an experimental blind prediction contest. Points to make:

- I want to highlight the variation among various participants compared to the experimental result.
- This dispersion of results indicates that we need a more streamlined design recommendation for piled structures.
- The BPC numbers are Blind Prediction Contestant numbers. I wanted to show that my prediction (BPC 8) is the closest as well as the dispersion of predicted results.
- The figure is a screenshot provided by the organizer.

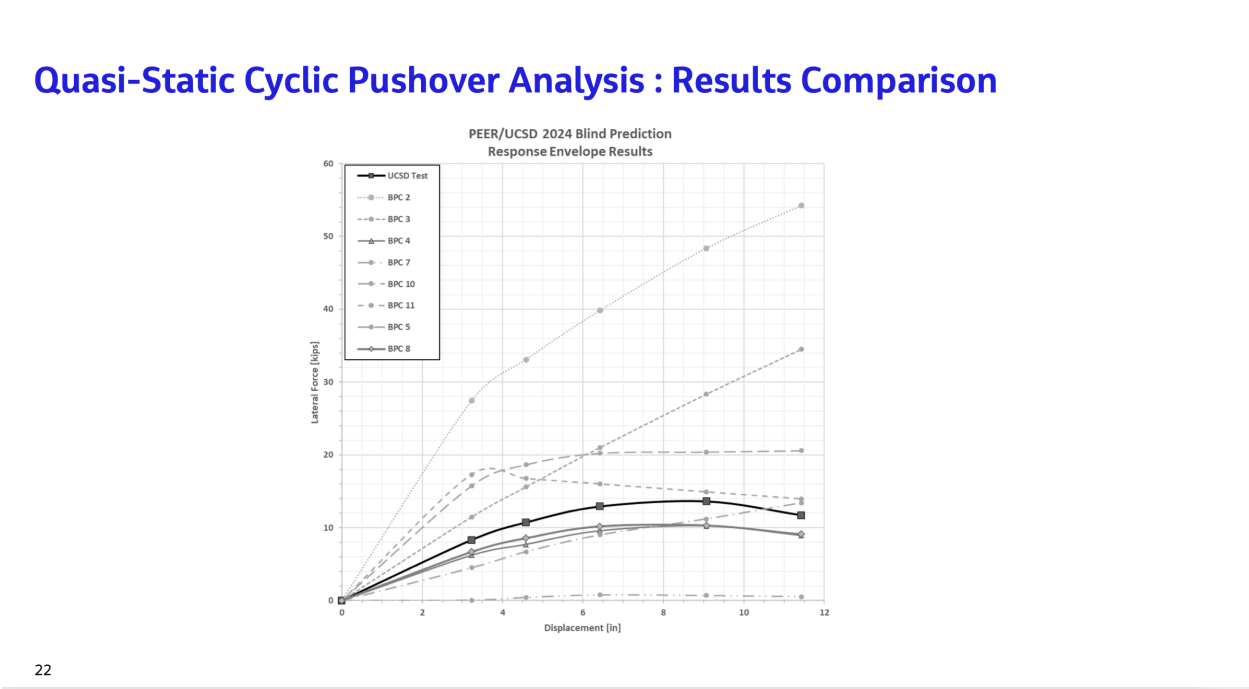

Figure 1 The original figure.

Your observations:

My observations regarding the original figure

- Slide would benefit from an assertion-evidence format, as it currently requires verbal explanation before interpretation can begin.
- The speaker's result (BPC 8) is hidden amongst the other teams' results.
- It's not neccessary to distinguish between the other teams, so there is too much complexity in the line styles and legend entries.
- The scatterplot format makes sense for the comparison, but the text annotations are too small and the line formatting is too complex.

Revised version

2

Predictions have large scatter relative to the experimental data

The large scatter indicates a need for more design recommendations.

My prediction was in close agreement with the test, relative to other teams.

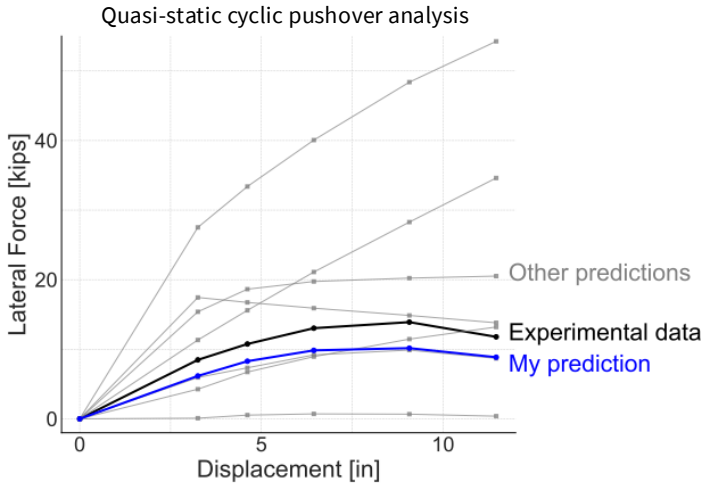

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Figure 2 The revised figure.

Adjustments

- Figure is revised to have only three line styles, direct annotations rather than a legend, and stles that emphasize the important comparisons.
- One line at the bottom of the figure was hard to see (y values close to 0), so I extended the axis limits a bit to keep that line from overlapping the axis boundaries.
- Figure font sizes were increased, and axis labels reduced a bit to minimize clutter.
- Added an assertion title, and some text comments to state the main points. Some text could optionally be removed and stated out loud instead.
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