Bridge Corrosion

A Chloride Exposure Prediction Model for Bridges in Ontario

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Recap

- 1. Build a database with climate and traffic data
- 2. Allow user to input coordinate to return chloride exposure trend at that location by accessing data in database

Risk

- Accuracy of formula
- How to detect unexpected input

Objective

- Model verification in SRS by MATLAB
- Input checking in VnV by R

Showing/running the code depends on how it goes?

Model verification

- The models contain lots of data → start from testing individual one
- Find a way to loop through all data later
- Demo - show the code, prepare some input and (probably) expected output
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- Expected output: ask domain expert

Input checking

- Check if the input coordinate is within Ontario
- Demo - show the R code?

Questions?