

Novel Topological Shapes of Model Interpretability

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Overview

- We apply Mapper on the charts produced by the Explainable Boosting Machine.
- Allowing analysts to go from a global feature explanation to a local sample explanation from within a single interface.
- This improves data analysis and model interpretability.

An illustration of part of our approach

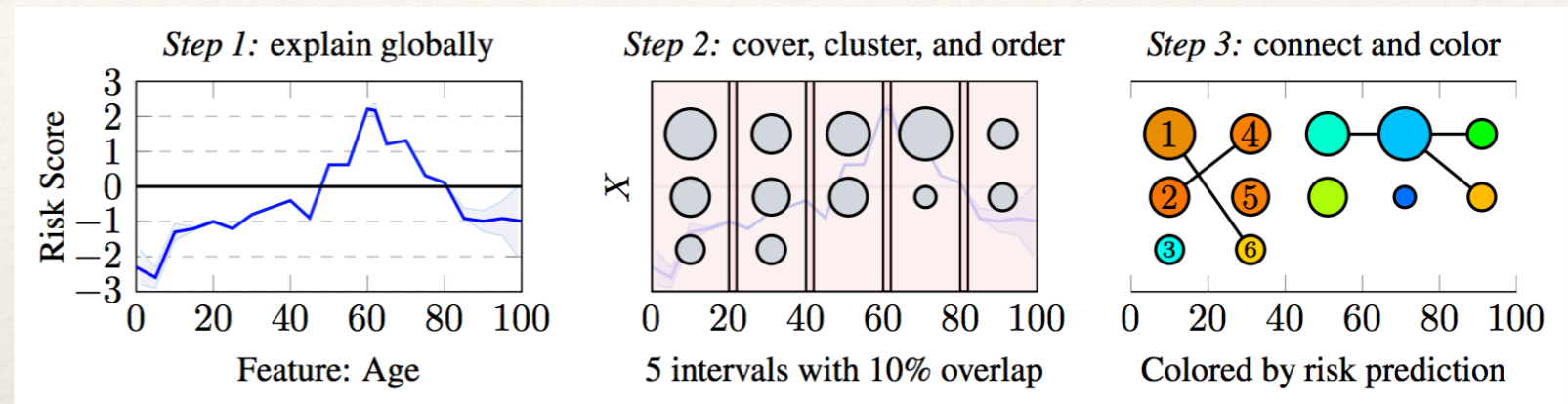
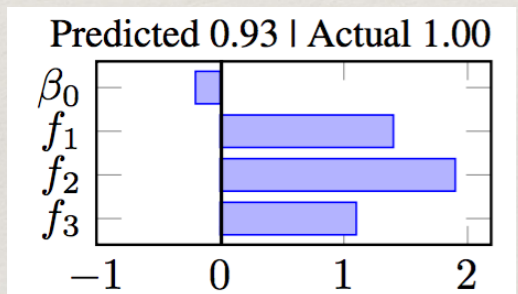
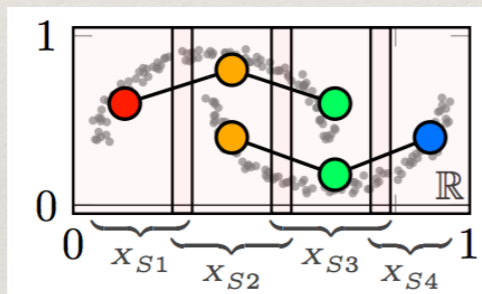


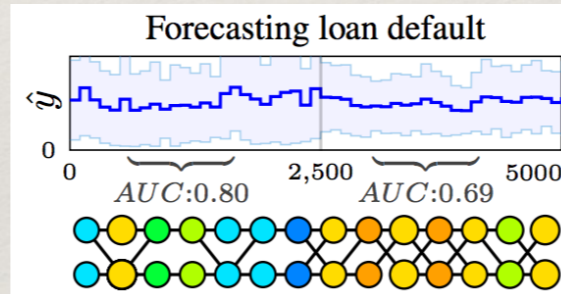
Chart a local sample explanation



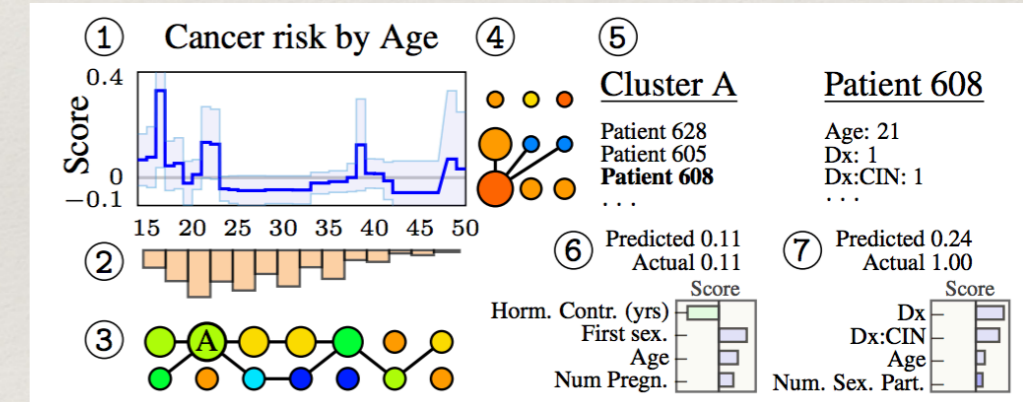
An example of Mapper



Loan Default Concept Drift



Cervical Cancer Risk Factors



Propaganda Tweets

