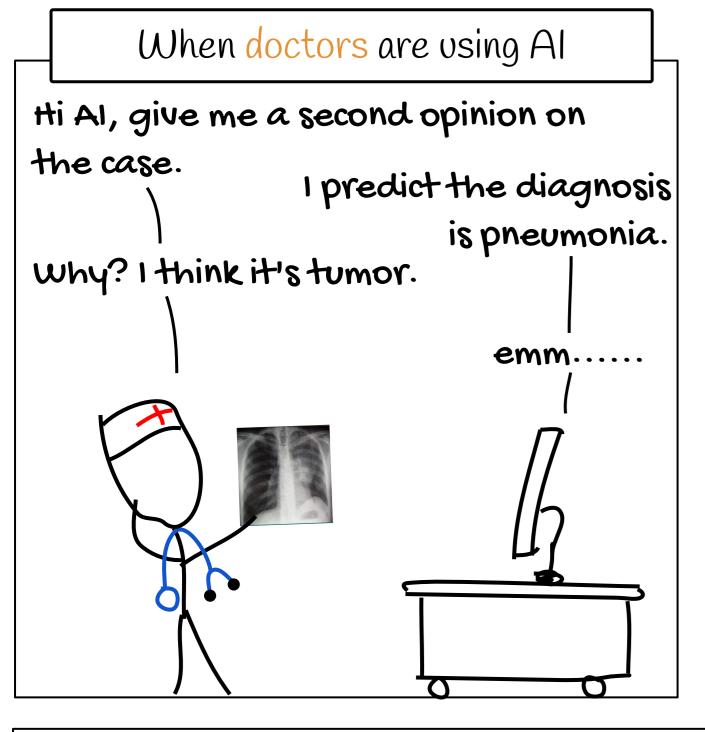
Bridging Al Developers and End Users

An End-User-Centred Explainable AI Taxonomy and Visual Vocabularies

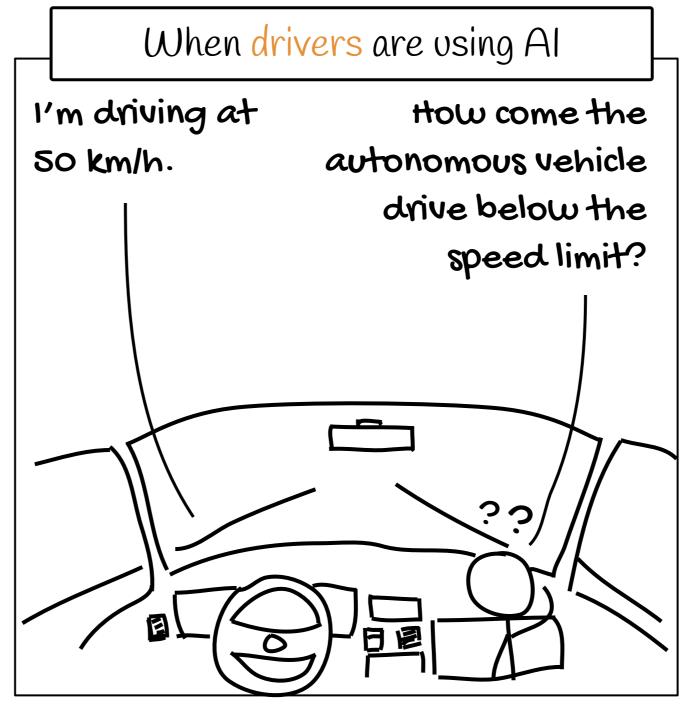
Weina Jin, Sheelagh Carpendale, Ghassan Hamarneh, Diane Gromala Simon Fraser University, Burnaby, BC, Canada

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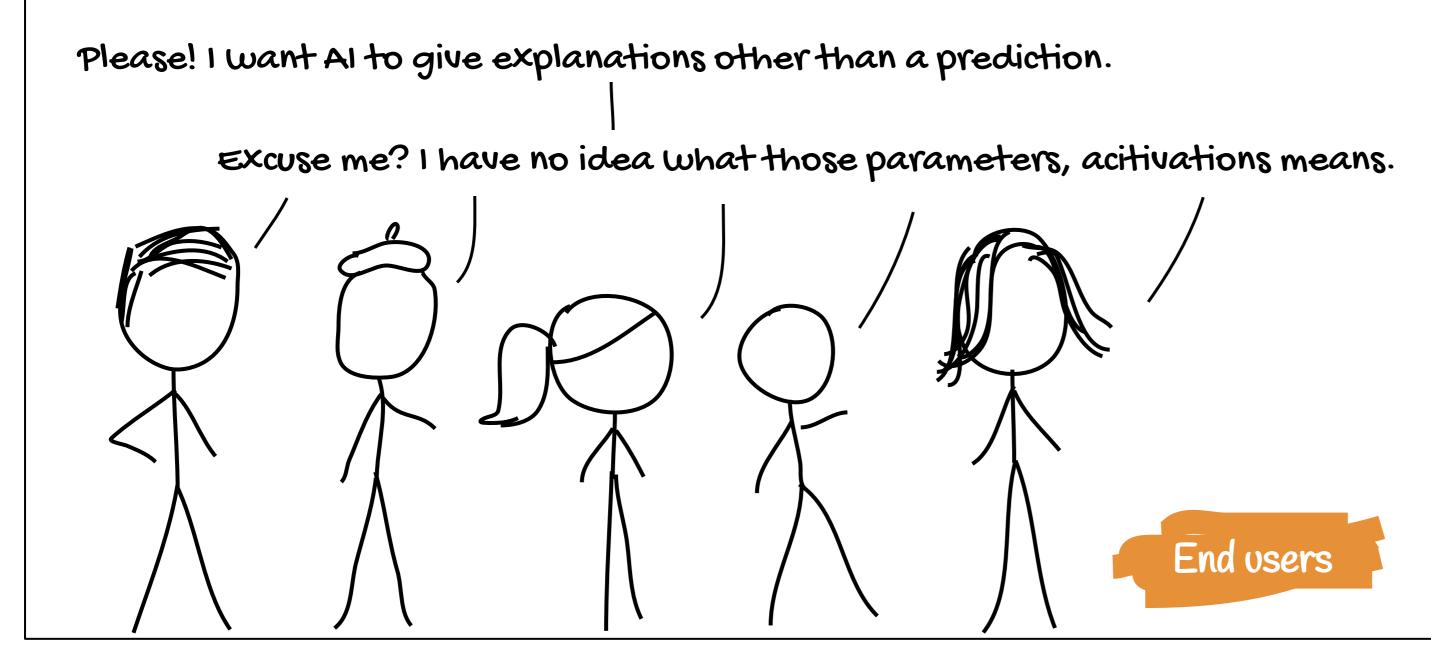


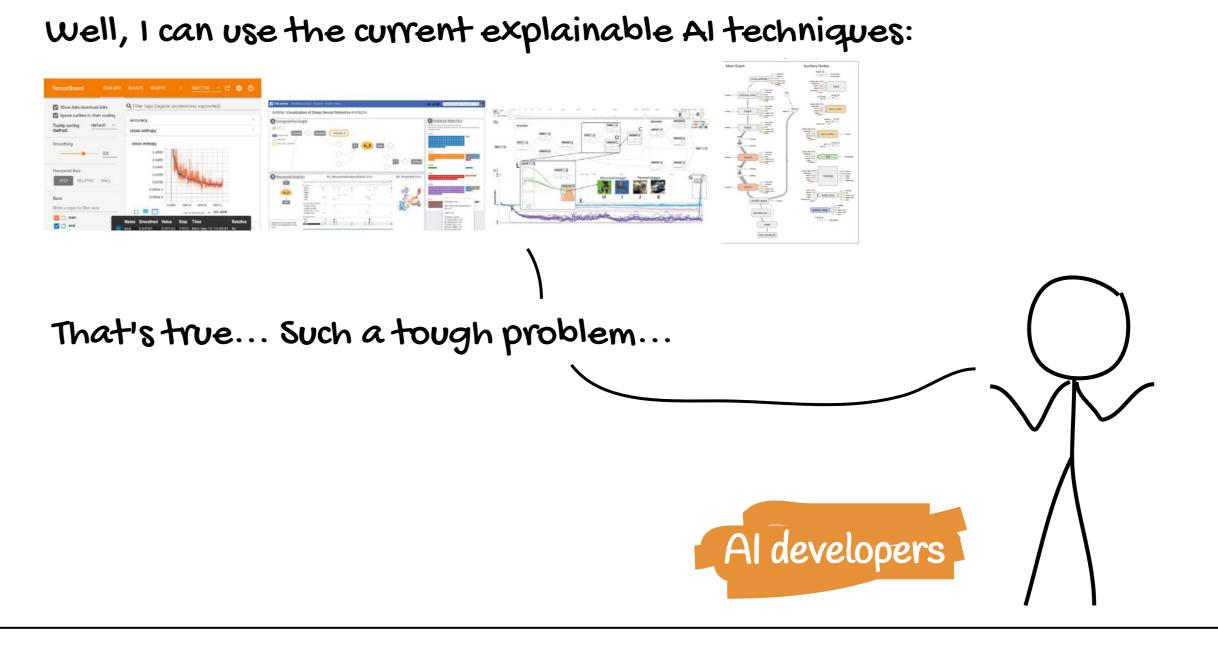


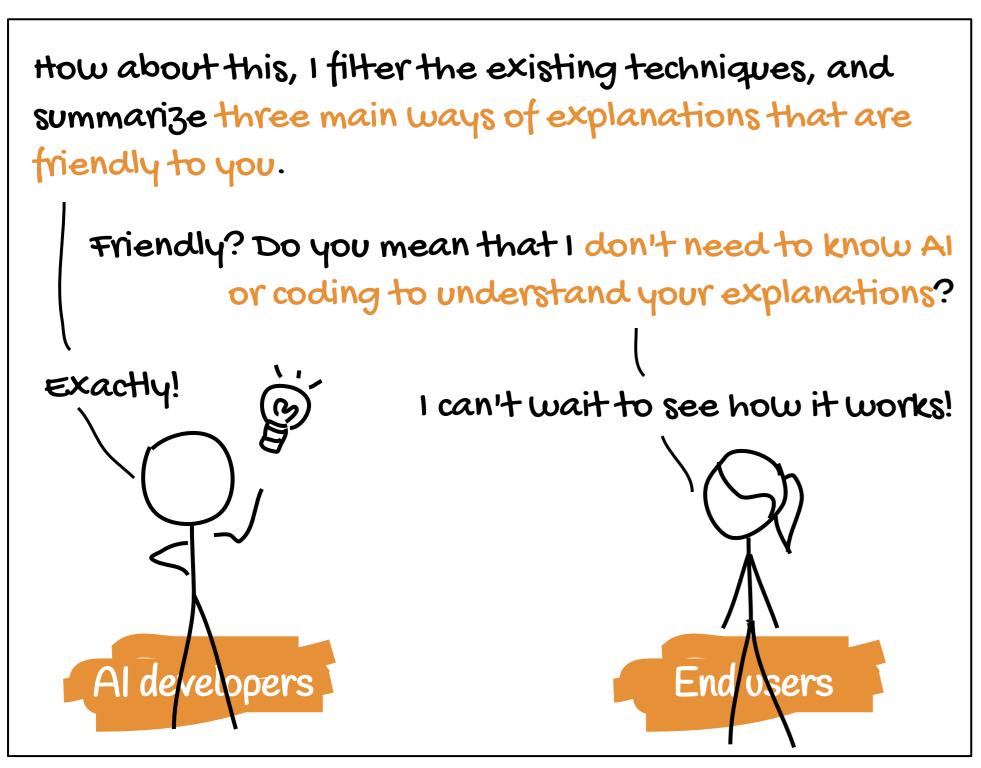




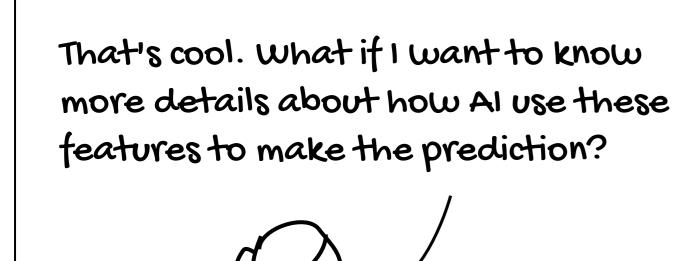








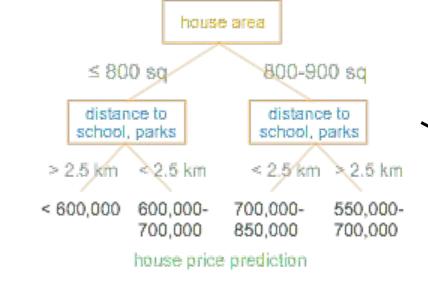








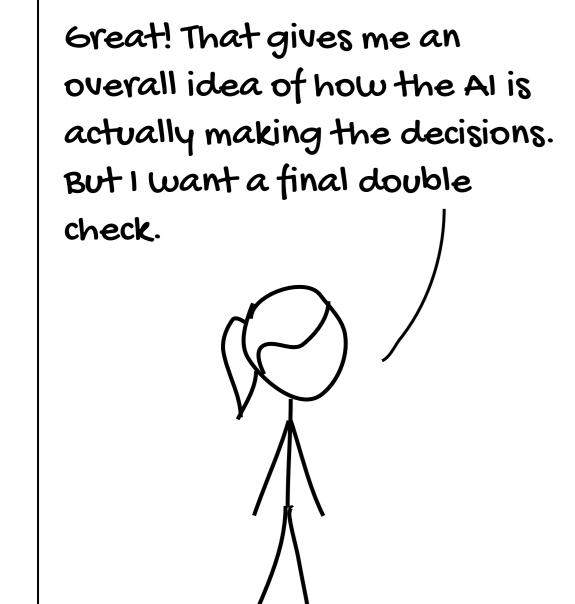






2. Explain using decision rules

I can show you the decision rules AI used, and present them in forms that your prefer:

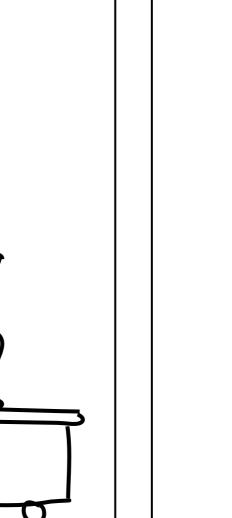


similar examples based on your house's features

Prototypical example

No problem. To give you an intuitive understanding, here are the:

A typical house to sell at the estimated price In your neighbourhood: 2 bedrooms 2 bathrooms 1000 sq 20 years old



You're welcome! 61ad 1 can speak to your language.



600d job! I can even combine the

different forms of explanations to

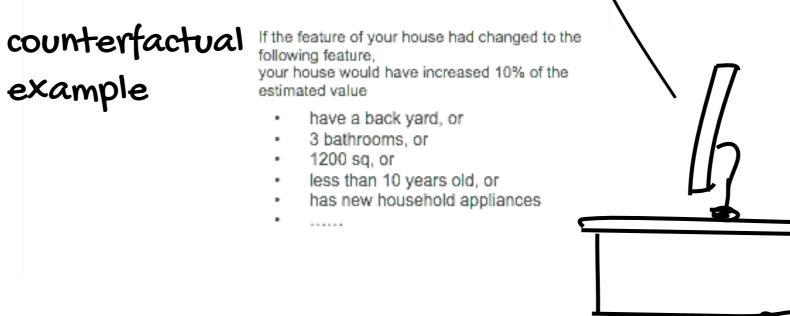
answer my questions. Thanks!

based on the predicted price

similar examples



example







Method

The end-user-centred explainable AI taxonomy is based on literature review of 59 technique papers on explainable AI by searching "explainable/interpretable/visualizing AI/ML" and identifying relevant works from these papers' reference. We excluded works that do not have an evaluation of the proposed XAI method. Visit weina.me/end-user-xai for details. Big Data Fund.

Acknowledgments

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