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# Interactive Visualization and Validation Techniques for Algorithmic Decision Making: Outcome-Explorer and SliceTeller Approaches

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Md Naimul Hoque and Klaus Mueller, Senior Member, IEEE Outcome-Explorer: A Causality Guided Interactive Visual Interface for Interpretable Algorithmic Decision Making

Xiaoyu Zhang SliceTeller : A Data Slice-Driven Approach for Machine Learning Model Validation, Jorge Piazzentin Ono, Huan Song, Liang Gou, Kwan-Liu Ma, Liu Ren  
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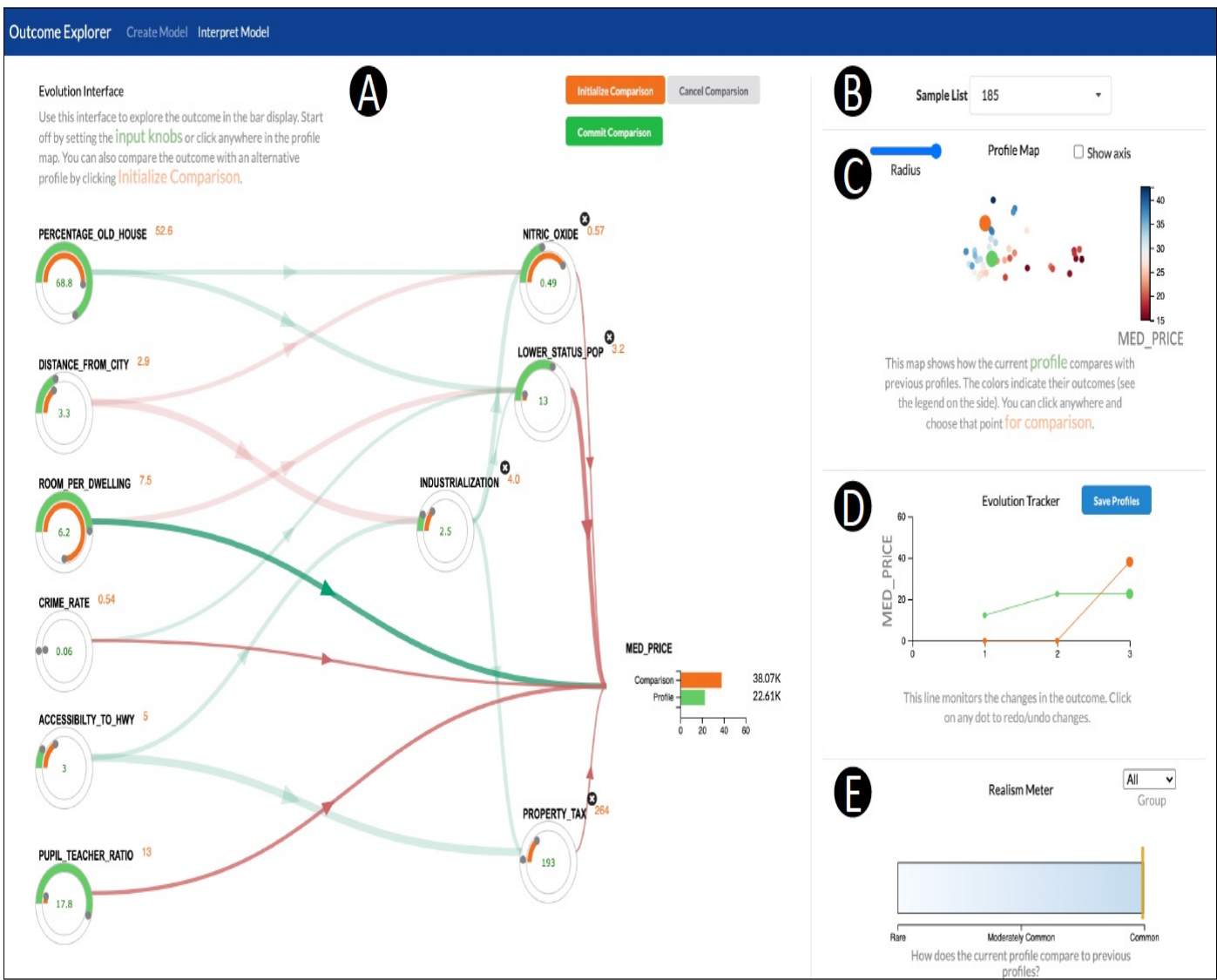
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# Outcome Explorer and SliceTeller



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[1]



[2]

1. IEEE TRANSACTION ON VISUALIZATION AND COMPUTER GRAPHICS, 2021. AUTHOR'S VERSION. [HTTPS://DOI.ORG/10.1109/TVCG.2021.3102051](https://doi.org/10.1109/TVCG.2021.3102051)
2. ZHANG ET AL.: SliceTeller: A Data Slice-Driven Approach for Machine Learning Model Validation

Data-slice based  
Model Validation



Applications



AI Fairness



Autonomous Driving



Fire Detection