**Questions for Week 8 – ER Explanations**

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Paper: Why Should I Trust You?

Questions:

1. How does submodular optimization work for SP-LIME?
2. Are there any other ways besides data leakage and dataset shift that would make an evaluation go wrong?
3. Out of the two algorithms presented, is one more preferable than the other?

Paper: On the Robustness of Interpretability Methods

Questions:

1. How would you define robustness?
2. How do LIME and SHAP’s explanations for linear models differ?
3. Why does local stability not work for models with discrete input?

Paper: Interpreting Deep Learning Models for Entity Resolution: An Experience Report using LIME

Questions:

1. For figure 5, what is the significance of high-levels of ale?
2. How does the hybrid solution work in section 3 of the paper?
3. What problems arise through Figure 2 of the itunes-amazon dataset?