Trend Adoption Framework for Small Businesses

*This is an open-sourced research

Name:_____ Due Date: _____

Guidelines:

View the video provided in this url https://www.youtube.com/watch?v=9QtL7m3YS9I

And submit your work in a manner that reflects your understanding of the problem above you can

also view other contents to support your work.

	Points (26)
a. Data Collection and Trend Detection	
- You can use/create any dataset you deem fit – see Kaggle trends or answerthepublic.com for guide	**/3**
- Design a trendiness score using Velocity, Acceleration and Volatility.	**/3**
Deliverable: A working demo (notebook) + visualization of your statistical methods (z-scores, rolling averages, etc.)	
b. We would prefer a decision model for a niche business? In the retail industry	
- Provide a feature engineering mock for adoption using business-relevant features like costs, local relevance, scalability patterns etc.	**/4**
- Give (classifier/rule-based logics) recommendations having it mind that we are transiting this ML adoption into a Neural Network that is currently in pretraining. Your recommendations should be CV(cross-validation)-proof and evaluated.	**/6**
Deliverable: A summarized report on recommendations with sourced references	
c. Documentation	
- Apply the best documentation format for your research; your documentation is graded. You can use any method you prefer between: Sphinx, Docusaurus, MDx, or Jupyter Noteboks.	**/10**