ASSIGNMENT - 1 [CSC 500 – Research Methods]

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Paper 1

Topic: CRISP-DM Twenty Years Later: From Data Mining Processes to Data Science Trajectories

Link: https://ieeexplore-ieee-org.libproxy.csudh.edu/document/8943998

Reason of Interest: I am interested in this topic because it addresses the crucial issue of assessing CRISP-DM's continued applicability in the rapidly evolving data science landscape. This research not only recognizes the need for adaptability but also offers a more flexible paradigm for exploratory initiatives. The practical insights it provides for modifying methodology and categorizing data science projects are invaluable for modern project planning.

Paper 2

Topic: Amazon EC2 Spot Price Prediction Using Regression Random Forests

Link: https://ieeexplore-ieee-org.libproxy.csudh.edu/document/8166810

Reason of Interest: I am interested in this topic because it introduces the Regression Random Forests (RRFs) model for forecasting Amazon EC2 spot instance costs, offering potential benefits for bid decisions and cost-effective planning, especially given its superior performance compared to other forecasting models.

Paper 3

Topic: Artificial Intelligence and Data Science Governance: Roles and Responsibilities at the C-Level and the Board

Link: https://ieeexplore-ieee-org.libproxy.csudh.edu/document/9191400

Reason of interest: I am interested in this topic because it analyzes the evolution of corporate governance from the Enron scandal era to the AI and Data Science era, highlighting the critical need to define roles and responsibilities for corporate officers and boards in managing AI and DS operations, a crucial concern in today's business landscape.

Paper 4

Topic: Occluded Face Recognition on the Wild by Identity-Diversity Inpainting

Link: https://ieeexplore-ieee-org.libproxy.csudh.edu/document/8963643

Reason of interest: I am interested in this topic because it combines GANs and CNNs to improve occluded face identification, addressing both face inpainting and recognition issues, with potential applications in security and surveillance.