**Machine Learning Classification for Human Activity Recognition (HAR)**

Andy Malinsky, Dheemanth Rajakumar, Greg Moore

University of San Diego

AAI-501: Introduction to Artificial Intelligence

Professor Andrew Van Benschoten, PhD.

Professor David Friesen, MS

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**Abstract**

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**Data Cleaning/Preparation**

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**Exploratory Data Analysis for the Drug Consumption Dataset**

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**Model Selection**

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**Model Analysis**

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**Support Vector Machine (SVM) Model**

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**Convolutional Neural Network (CNN) Model**

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**Bidirectional Long Short-Term Memory (LSTM) Model**

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**Conclusion and Recommendations**

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# Appendix