



# ST. FRANCIS XAVIER UNIVERSITY

CSCI - 525: MACHINE LEARNING DESIGN

Dr. Jacob Levman

Phase 2 Report

Khan, Salal Ali

202307216 - x2023flb@stfx.ca

Hussain, Moayadeldin

202303808 - x2023dvh@stfx.ca

Javed, Muhammad

202303808 - x2023dvh@stfx.ca

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# Introduction

We have analyzed Airbnb's 2023 New York City dataset and are using machine learning to predict property prices. In addition to price prediction, we are conducting experiments on the property titles written by hosts to determine if they influence property prices, by applying a bag-of-words algorithm to the titles.