



**UNIVERSITÀ
DEGLI STUDI
DI TRIESTE**

DISTRIBUTION SHIFT

A Study on Their Effects on Statistical Models and
Strategies for Mitigation

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Introduction

- Distribution shift is a common problem in machine learning.
- It occurs when the distribution of the training data differs from the distribution of the test data.
- This can lead to a decrease in the performance of the model.
- In this study, we analyze the effects of distribution shift on statistical models and propose strategies for its mitigation.

Data Generation

Performance Degradation

Performance Enhancement

Questions?

