## A Neural Network-based Clustering Methods for Statistical Arbitrage

Dongwuk Kim, Seungkyu Kim, Chang Kyeom Kim Department of Statistics, Seoul National University, Seoul, 08826, Korea

#### Abstract

This paper aims to propose a novel hybrid of classical statistical arbitrage problem and deep learning framework.

Key words: Mean reversion, statistical arbitrage, deep learning, autoencoder, k-means clustering.

#### 1 Introduction

In this study, we aim to develop a method that ...

This paper is organized as follows. Section 2 reviews the basic mean-reversion strategy that were utilized developing the model. Section 3 proposes ...

### 2 More new section

Something to write down about.

#### 3 New section

More thing to write down!

#### 4 Results

Results!

### 5 Concluding remarks

Conclusion!

# References

reference.