# **Stats: An R Package for Statistics**

by Shylock and Antonio

Abstract An abstract of less than 150 words.

#### Introduction

This paper will highlight how modern day Shylock would love to use the **stats** for his actuarial and money lending interests . The same could be applicable for Antonio for managing his risk properly had he analyzed and predicted his ship routes and data well.

# **Background**

I use the stats package a lot for my actuarial and general interest in data science. Hence this package is a daily driver for me. The various functions such as arima and acf help me in estimation and modelling of time series data.

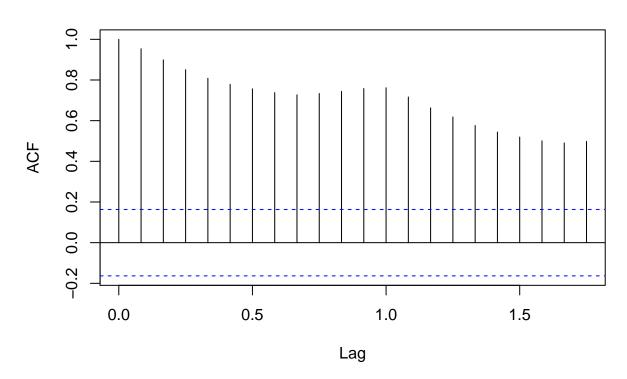


Figure 1: A possible stat dashboard

# A gallery of stats examples

1. The AutoCovariance of the log of AirPassengers data using the acf function.

# Series log(AirPassengers)



### 2. Creating a ARIMA model for Air Passengers

#### **Summary**

We have demonstrated some Stat functions that are available in the package stats.

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