

**DISTRIBUTION THEORY OF RUNS AND  
RUN-RELATED STATISTICS IN  
SEQUENCES OF DEPENDENT TRIALS**

STUDENT NAME SURNAME

JULY 2013

# **DISTRIBUTION THEORY OF RUNS AND RUN-RELATED STATISTICS IN SEQUENCES OF DEPENDENT TRIALS**

A DISSERTATION SUBMITTED TO  
THE GRADUATE SCHOOL OF NATURAL  
AND APPLIED SCIENCES OF  
IZMIR UNIVERSITY OF ECONOMICS

BY  
STUDENT NAME SURNAME

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
IN THE GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES

JULY 2013

## Ph.D. DISSERTATION EXAMINATION RESULT FORM

Approval of the Graduate School of Natural and Applied Sciences

---

Prof. Dr. Murat Aşkar  
Director

I certify that this thesis satisfies all the requirements as a thesis for the degree of Doctor of Philosophy.

---

Prof. Dr. İsmihan Bayramoğlu  
Head of Department

We have read the dissertation entitled “**Distribution Theory of Runs and Run-related Statistics in Sequences of Dependent Trials**” completed by **STUDENT NAME SURNAME** under supervision of **Prof. Dr. Supervisor Surname** and we certify that in our opinion it is fully adequate, in scope and in quality, as a dissertation for the degree of Doctor of Philosophy.

---

Prof. Dr. Supervisor Surname  
Supervisor

**Examining Committee Members**

**Date:**\_\_\_\_\_

Prof. Dr. Supervisor Surname  
Dept. of Mathematics, İUE

Prof. Dr. AAA  
Dept. of Mathematics, İUE

Prof. BBB  
Affiliation B

Prof. CCC  
Affiliation C

Prof. DDD  
Affiliation D

# ABSTRACT

## DISTRIBUTION THEORY OF RUNS AND RUN-RELATED STATISTICS IN SEQUENCES OF DEPENDENT TRIALS

STUDENT NAME SURNAME

Ph.D. in Applied Mathematics and Statistics

Graduate School of Natural and Applied Sciences

Supervisor: Prof. Dr. Supervisor Surname

July 2013

blah blah blah

*Keywords:* blah blah blah.

ÖZ

TÜRKÇE BAŞLIK

STUDENT NAME SURNAME  
Uygulamalı Matematik ve İstatistik, Doktora  
Fen Bilimleri Enstitüsü  
Tez Danışmanı: Prof. Dr. Supervisor Surname  
Temmuz 2013

Turkce ozet

*Anahtar Kelimeler:* vesaire vesaire vesaire.

# ACKNOWLEDGEMENT

blah blah blah

# TABLE OF CONTENTS

<b>Front Matter</b>	<b>i</b>
Abstract . . . . .	iii
Öz . . . . .	iv
Acknowledgement . . . . .	v
Table of Contents . . . . .	vi
 <b>1 Introduction</b>	 <b>1</b>
1.1 and more . . . . .	1
 <b>2 Literature Review</b>	 <b>2</b>
 <b>A Calculations</b>	 <b>3</b>

# Chapter 1

## Introduction

blah blah blah

### 1.1 and more



## Chapter 2

### Literature Review

.

.

.

# Appendix A

## Calculations

a ha!

## BIBLIOGRAPHY

- [1] author-/s, papername/title, *journal name* **60** (1999), no. 3, 509–520.  
[MR1727484](#)
- [2] Hermann Weyl, *book title*, Princeton University Press, Princeton, N.J., 1997.

## **VITA**

About yourself...