

Lecture 11 Scribe

CSE 400: Fundamentals of Probability in Computing

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1 Introduction

This document is a faithful lecture scribe for **Lecture 11 (Section 2)** of *CSE 400: Fundamentals of Probability in Computing*. The content strictly follows the lecture slides provided and does not include any external explanations, interpretations, or additional material.

2 Lecture 11 — Section 2

2.1 Lecture Scope

This lecture covers the material presented in Section 2 of Lecture 11. All definitions, assumptions, results, derivations, and examples included below are transcribed exactly as they appear in the lecture slides.

3 Topic Overview

- Topic title as stated in the lecture
- Topic title as stated in the lecture
- Topic title as stated in the lecture

4 Definitions

4.1 Definition 1

Statement:

(Insert the definition exactly as written in the lecture slide.)

4.2 Definition 2

Statement:

(Insert the definition exactly as written in the lecture slide.)

5 Assumptions and Conditions

- Assumption stated in the lecture
- Condition under which the results apply
- Any constraints explicitly mentioned

6 Main Results

6.1 Theorem / Proposition / Result

Statement:

(Insert the result verbatim from the lecture slide.)

7 Derivations and Proofs

7.1 Derivation

The following derivation is presented step-by-step exactly as shown in the lecture.

Step 1 as written in the slide

Step 2 as written in the slide

Step 3 as written in the slide

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7.2 Proof (if included)

Proof:

(Insert the proof exactly as presented in the lecture.)

8 Worked Examples

8.1 Example

Problem Statement:

(Insert the example exactly as stated in the lecture.)

Solution:

Step 1 from lecture

Step 2 from lecture

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9 Summary of Lecture 11 (Section 2)

- Key result title
- Key concept emphasized
- Final conclusion as stated in the lecture