

# The Goodness-of-Fit Examples

## Section 25.9

### Lecture 48

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# Outline

- 1 An Unfair Die
- 2 A Fair Die
- 3 Assignment

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# Example

## Example (An Unfair Die)

- I created a die with the following probabilities:

1	2	3	4	5	6
16%	16%	17%	17%	17%	17%

- I will attempt to show that it is unfair, using the program `UnfairDieTest.exe`.

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# Example

## Example (A Fair Die)

- Then I created a fair die, with equal probabilities:

1	2	3	4	5	6
1/6	1/6	1/6	1/6	1/6	1/6

- I should be unable to show that it is unfair, using the program `FairDieTest.exe`.

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- 1 An Unfair Die
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# Assignment

## Assignment

- Read Sections 25.9.