WORKSHEET 1

Test and CI for Two Proportions

Method

p_1: proportion where Sample 1 = Event
p_2: proportion where Sample 2 = Event
Difference: $p_1 - p_2$

Descriptive Statistics

Sample	N	Event	Sample p
Sample 1	200	180	0.900000
Sample 2	100	85	0.850000

Estimation for Difference

Difference	80% CI for Difference
0.05	(-0.003227, 0.103227)

CI based on normal approximation

Test

Null hypothesis	$H_0: p_1 - p_2 = 0$
Alternative hypothesis	$H_1: p_1 - p_2 \neq 0$

Method	Z-Value	P-Value
Normal approximation	1.20	0.229
Fisher's exact		0.252