



Figure 3: Results of t-tests for Scenario 2, Table 2

. ttest select1, by(lens)

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
A	10	.226	.0262552	.0830261	.1666067	.2853933
B	10	.089	.0175404	.0554677	.0493208	.1286792
combined	20	.1575	.0219794	.0982947	.1114967	.2035033
diff		.137	.0315753		.0706627	.2033373

diff = mean(A) - mean(B) t = 4.3388  
 Ho: diff = 0 degrees of freedom = 18

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.9998 Pr(|T| > |t|) = 0.0004 Pr(T > t) = 0.0002

. ttest select2, by(lens)

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
A	10	.106	.0265497	.0839577	.0459403	.1660597
B	10	.205	.0308851	.0976672	.1351331	.2748669
combined	20	.1555	.0228436	.1021596	.1076878	.2033122
diff		-.099	.0407281		-.1845666	-.0134334

diff = mean(A) - mean(B) t = -2.4308  
 Ho: diff = 0 degrees of freedom = 18

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.0129 Pr(|T| > |t|) = 0.0257 Pr(T > t) = 0.9871

. ttest select3, by(lens)

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
A	10	.191	.0378726	.1197637	.1053262	.2766738
B	10	.128	.0179382	.0567255	.087421	.1685789
combined	20	.1595	.0216367	.0967621	.114214	.204786
diff		.063	.041906		-.0250412	.1510412

diff = mean(A) - mean(B) t = 1.5034  
 Ho: diff = 0 degrees of freedom = 18

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.9250 Pr(|T| > |t|) = 0.1501 Pr(T > t) = 0.0750