(10 points - 20 minutes)

4. Use the data in the table to test the idea that the use of some "slang" terms is independent of age. The data represent a stratified random sample of 400 people from Los Angeles.

(Use  $\alpha$  = 0.025 for this test)

Most used Slang Term	10 to 20	21 to 40	41 to 60	> 60	Total
"I'm like "	88	50	10	2	150
"totally"	10	40	40	10	100
"far out"	2	10	50	88	150
Total	100	100	100	100	400

Claim:			
Ho:			
H1:			