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## Question 2

When crossing white and yellow summer squash, a genetic model predicts that 75% of resulting offspring will be white, 15% will be yellow and 10% will be green.

Below are the results from an experiment run on a random sample of 205 squash offspring.

Color	White	Yellow	Green
Number of Offspring	152	39	14

(1 point possible)

2a. Which method should we use to test if these data are consistent with the ratio of offspring colors predicted by the genetic model?

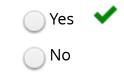
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uestion 2   Problem Set	<b>A</b>	https://courses.edx.org/courses/UTAustinX/UT.7.01x/3T2014/courseware/cbd7
Chi Squa	re Goodness of Fit Test	
Chi Squa	re Test of Independence	
Single Sa	imple t-test	
Indepen	dent Samples t-test	
Hide Answer	You have used 0 of 1 submissions	
(1 point possib 2b. What is the	le) expected count of <b>white</b> offspring? (	Round to 2 decimal places.)
·	expected count of <b>white</b> offspring? (	Round to 2 decimal places.)

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2e. Is the **sample size** condition met?



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(1 point possib	ام)	
·		<b>I value</b> for this test, assuming $\alpha = 0.05$ ?
Degrees of Fre	edom	
Answer: 2		
Answer: 2  Hide Answer	You have used 0 of 1 submissions	

**Answer:** 5.99

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2g. What is the **Chi Square statistic** for this test? (Round to 2 decimal places.)

Help

**Answer:** 4.29

**Hide Answer** 

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(1 point possible)

2h. What is the appropriate outcome for this hypothesis test?

Reject the null hypothesis

Fail to reject the null hypothesis 💙

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