

## Part 5.2 Questions

Fill in the blanks below. With each question the blanks get slightly bigger.

	Claim: "More businesses expect their activity to increase in the next 12 months than don't"  Percentages from Survey: 41% expect their activity to increase, 32% expect to decrease  Sample Size: 300					
	Margin of Error: $2 \times \frac{1}{\sqrt{n}} = 2 \times \frac{1}{\sqrt{\dots}} = \underline{\dots}$	(3sf) =	%			
,	Construct the confidence interval: Interpret what this Means: We can which expect their activity to increas and percentage points activity to decrease.  Make a Judgement: This confidenc percentage of businesses expect the to decrease because	% ± say, with 95 se is somewh than th e interval eir activity to	_% = ( 5% confid here betwhen percent o increase	dence, the deen	e percentage percentage percentage percentage when pert the claic cose that exp	ge points nich expect thei m that a highe
	Claim: "More people support nation Percentages from Survey: 37% plant Sample Size: 1000  Margin of Error: $2 \times \frac{1}{\sqrt{n}} = 2 \times \frac{1}{\sqrt{\dots}} = \underline{\qquad}$ Construct the confidence interval:	to vote labou (3sf) =	ur, 44% pl			
	<b>Interpret what this Means:</b> We can be					
	percentage points and	norcont	ago point	is	somewhere	between
	perceniage points and	percenic	age poini		man me	perceniage o
	Make a Judgement: This confidenc percentage of					
	Claim: "More people prefer Sean Connery as James Bond than Daniel Craig" Percentages from Survey: 35% like Daniel Craig, 43% like Sean Connery. Sample Size: 2,205					
	Margin of Error: $2 \times \frac{1}{\sqrt{n}} = 2 \times \frac{1}{\sqrt{\dots}} = \underline{\dots}$	(3sf) =	%			
	Construct the confidence interval: Interpret what this Means: It is a fairly	% ±	_% = ( percento	age of		
	percentage points and	percento	ge point	IS ts	somewhere than the	between percentage o
	Make a Judgement: This confidence interval support the claim that					
		because				thar 
	Claim: "People prefer Prisoner of Azkaban to Deathly Hallows when looking at Harry Potter films' Percentages from Survey: 35% like Deathly Hallows, 39% Prisoner of Azkaban. Sample Size: 2,881					
	Margin of Error: $2 \times \frac{1}{\sqrt{n}} = 2 \times \frac{1}{} = $	(3sf) =	%			
	Construct the confidence interval: _ Interpret what this Means:	% ±	_% = (			