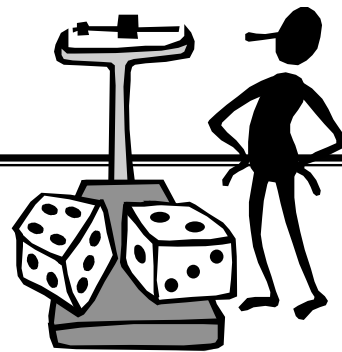


## Chapter 27: Inferences for Regression



### Key Vocabulary:

- confidence interval for the slope
- prediction interval
- t-test for slope

### Calculator Skills:

- LinRegTTest

1. What are the parameters of the regression model?
2. What is the equation of the idealized regression model?
3. What are the assumptions and conditions necessary in order to make inferences on regression?
4. In regression analysis, how do you calculate the *degrees of freedom*?
5. What aspects of bivariate data affect how much the slope and intercept vary from sample to sample?
6. What is the test statistics for the *t-test on slope*?

