AP Statistics

Syllabus Checklist · 大纲自查表

Tick one box per statement: ☐ not yet ☐ nearly ☐ confident. 每条打一个勾：尚未掌握 / 快会了 / 有把握。

1. Exploring One-Variable Data 探索单变量数据

1.1 Introducing Statistics: What Can We Learn from Data? 统计学导论：我们能从数据中学到什么？

☐☐☐ Identify questions to be answered, based on variation in one-variable data. [Skill 1.A]

1.2 The Language of Variation: Variables 变异的语言：变量

☐☐☐ Identify variables in a set of data. [Skill 2.A]

☐☐☐ Classify types of variables. [Skill 2.A]

1.3 Representing a Categorical Variable with Tables 用表格表示分类变量

☐☐☐ Represent categorical data using frequency or relative frequency tables. [Skill 2.B]

☐☐☐ Describe categorical data represented in frequency or relative tables. [Skill 2.A]

1.4 Representing a Categorical Variable with Graphs 用图形表示分类变量

☐☐☐ Represent categorical data graphically. [Skill 2.B]

☐☐☐ Describe categorical data represented graphically. [Skill 2.A]

☐☐☐ Compare multiple sets of categorical data. [Skill 2.D]

1.5 Representing a Quantitative Variable with Graphs 用图形表示定量变量

☐☐☐ Classify types of quantitative variables. [Skill 2.A]

☐☐☐ Represent quantitative data graphically. [Skill 2.B]

1.6 Describing the Distribution of a Quantitative Variable 描述定量变量的分布

☐☐☐ Describe the characteristics of quantitative data distributions. [Skill 2.A]

1.7 Summary Statistics for a Quantitative Variable 定量变量的汇总统计量

☐☐☐ Calculate measures of center and position for quantitative data. [Skill 2.C]

☐☐☐ Calculate measures of variability for quantitative data. [Skill 2.C]

☐☐☐ Explain the selection of a particular measure of center and/or variability for describing a set of quantitative data. [Skill 4.B]

1.8 Graphical Representations of Summary Statistics 汇总统计量的图形表示

☐☐☐ Represent summary statistics for quantitative data graphically. [Skill 2.B]

☐☐☐ Describe summary statistics of quantitative data represented graphically. [Skill 2.A]

1.9 Comparing Distributions of a Quantitative Variable 比较定量变量的分布

☐☐☐ Compare graphical representations for multiple sets of quantitative data. [Skill 2.D]

☐☐☐ Compare summary statistics for multiple sets of quantitative data. [Skill 2.D]

1.10 The Normal Distribution 正态分布

- ☐☐☐ Compare a data distribution to the normal distribution model. [Skill 2.D]
- ☐☐☐ Determine proportions and percentiles from a normal distribution. [Skill 3.A]
- ☐☐☐ Compare measures of relative position in data sets. [Skill 2.D]

2. Exploring Two-Variable Data 探索双变量数据

2.1 Introducing Statistics: Are Variables Related? 统计学导论：变量之间有关联吗?

- ☐☐☐ Identify questions to be answered about possible relationships in data. [Skill 1.A]

2.2 Representing Two Categorical Variables 表示两个分类变量

- ☐☐☐ Compare numerical and graphical representations for two categorical variables. [Skill 2.D]

2.3 Statistics for Two Categorical Variables 两个分类变量的统计量

- ☐☐☐ Calculate statistics for two categorical variables. [Skill 2.C]
- ☐☐☐ Compare statistics for two categorical variables. [Skill 2.D]

2.4 Representing the Relationship Between Two Quantitative Variables 表示两个定量变量之间的关系

- ☐☐☐ Represent bivariate quantitative data using scatterplots. [Skill 2.B]
- ☐☐☐ Describe the characteristics of a scatter plot. [Skill 2.A]

2.5 Correlation 相关性

- ☐☐☐ Determine the correlation for a linear relationship. [Skill 2.C]
- ☐☐☐ Interpret the correlation for a linear relationship. [Skill 4.B]

2.6 Linear Regression Models 线性回归模型

- ☐☐☐ Calculate a predicted response value using a linear regression model. [Skill 2.C]

2.7 Residuals 残差

- ☐☐☐ Represent differences between measured and predicted responses using residual plots. [Skill 2.B]
- ☐☐☐ Describe the form of association of bivariate data using residual plots. [Skill 2.A]

2.8 Least Squares Regression 最小二乘回归

- ☐☐☐ Estimate parameters for the least-squares regression line model. [Skill 2.C]
- ☐☐☐ Interpret coefficients for the least-squares regression line model. [Skill 4.B]

2.9 Analyzing Departures from Linearity 分析偏离线性的情况

- ☐☐☐ Identify influential points in regression. [Skill 2.A]
- ☐☐☐ Calculate a predicted response using a least-squares regression line for a transformed data set. [Skill 2.C]

3. Collecting Data 收集数据

3.1 Introducing Statistics: Do the Data We Collected Tell the Truth? 统计学导论：我们收集的数据说的是真相吗?

- ☐☐☐ Identify questions to be answered about data collection methods. [Skill 1.A]

3.2 Introduction to Planning a Study 研究规划导论

- ☐☐☐ Identify the type of a study. [Skill 1.C]
- ☐☐☐ Identify appropriate generalizations and determinations based on observational studies. [Skill 4.A]

3.3 Random Sampling and Data Collection 随机抽样与数据收集

- ☐☐☐ Identify a sampling method, given a description of a study. [Skill 1.C]
- ☐☐☐ Explain why a particular sampling method is or is not appropriate for a given situation. [Skill 1.C]

3.4 Potential Problems with Sampling 抽样的潜在问题

- ☐☐☐ Identify potential sources of bias in sampling methods. [Skill 1.C]

3.5 Introduction to Experimental Design 实验设计导论

- ☐☐☐ Identify the components of an experiment. [Skill 1.C]
- ☐☐☐ Describe elements of a well-designed experiment. [Skill 1.B]
- ☐☐☐ Compare experimental designs and methods. [Skill 1.C]

3.6 Selecting an Experimental Design 选择实验设计

- ☐☐☐ Explain why a particular experimental design is appropriate. [Skill 1.C]

3.7 Inference and Experiments 推断与实验

- ☐☐☐ Interpret the results of a well-designed experiment. [Skill 4.B]

4. Probability, Random Variables, and Probability Distributions

概率、随机变量与概率分布

4.1 Introducing Statistics: Random and Non-Random Patterns? 统计学导论：随机与非随机模式?

- ☐☐☐ Identify questions suggested by patterns in data. [Skill 1.A]

4.2 Estimating Probabilities Using Simulation 用模拟估计概率

- ☐☐☐ Estimate probabilities using simulation. [Skill 3.A]

4.3 Introduction to Probability 概率导论

- ☐☐☐ Calculate probabilities for events and their complements. [Skill 3.A]
- ☐☐☐ Interpret probabilities for events. [Skill 4.B]

4.4 Mutually Exclusive Events 互斥事件

- ☐☐☐ Explain why two events are (or are not) mutually exclusive. [Skill 4.B]

4.5 Conditional Probability 条件概率

☐☐☐ Calculate conditional probabilities. [Skill 3.A]

4.6 Independent Events and Unions of Events 独立事件与事件的并

☐☐☐ Calculate probabilities for independent events and for the union of two events. [Skill 3.A]

4.7 Introduction to Random Variables and Probability Distributions 随机变量与概率分布导论

☐☐☐ Represent the probability distribution for a discrete random variable. [Skill 2.B]
☐☐☐ Interpret a probability distribution. [Skill 4.B]

4.8 Mean and Standard Deviation of Random Variables 随机变量的均值与标准差

☐☐☐ Calculate parameters for a discrete random variable. [Skill 3.B]
☐☐☐ Interpret parameters for a discrete random variable. [Skill 4.B]

4.9 Combining Random Variables 组合随机变量

☐☐☐ Calculate parameters for linear combinations of random variables. [Skill 3.B]
☐☐☐ Describe the effects of linear transformations of parameters of random variables. [Skill 3.C]

4.10 Introduction to the Binomial Distribution 二项分布导论

☐☐☐ Estimate probabilities of binomial random variables using data from a simulation. [Skill 3.A]
☐☐☐ Calculate probabilities for a binomial distribution. [Skill 3.A]

4.11 Parameters for a Binomial Distribution 二项分布的参数

☐☐☐ Calculate parameters for a binomial distribution. [Skill 3.B]
☐☐☐ Interpret probabilities and parameters for a binomial distribution. [Skill 4.B]

4.12 The Geometric Distribution 几何分布

☐☐☐ Calculate probabilities for geometric random variables. [Skill 3.A]
☐☐☐ Calculate parameters of a geometric distribution. [Skill 3.B]
☐☐☐ Interpret probabilities and parameters for a geometric distribution. [Skill 4.B]

5. Sampling Distributions 抽样分布

5.1 Introducing Statistics: Why Is My Sample Not Like Yours? 统计学导论：为什么我的样本与你的不同?

☐☐☐ Identify questions suggested by variation in statistics for samples collected from the same population. [Skill 1.A]

5.2 The Normal Distribution, Revisited 再探正态分布

☐☐☐ Calculate the probability that a particular value lies in a given interval of a normal distribution. [Skill 3.A]
☐☐☐ Determine the interval associated with a given area in a normal distribution. [Skill 3.A]
☐☐☐ Determine the appropriateness of using the normal distribution to approximate probabilities for unknown distributions. [Skill 3.C]

5.3 The Central Limit Theorem 中心极限定理

- ☐☐☐ Estimate sampling distributions using simulation. [Skill 3.C]

5.4 Biased and Unbiased Point Estimates 有偏与无偏点估计

- ☐☐☐ Explain why an estimator is or is not unbiased. [Skill 4.B]
- ☐☐☐ Calculate estimates for a population parameter. [Skill 3.B]

5.5 Sampling Distributions for Sample Proportions 样本比例的抽样分布

- ☐☐☐ Determine parameters of a sampling distribution for sample proportions. [Skill 3.B]
- ☐☐☐ Determine whether a sampling distribution for a sample proportion can be described as approximately normal. [Skill 3.C]
- ☐☐☐ Interpret probabilities and parameters for a sampling distribution for a sample proportion. [Skill 4.B]

5.6 Sampling Distributions for Differences in Sample Proportions 样本比例之差的抽样分布

- ☐☐☐ Determine parameters of a sampling distribution for a difference in sample proportions. [Skill 3.B]
- ☐☐☐ Determine whether a sampling distribution for a difference of sample proportions can be described as approximately normal. [Skill 3.C]
- ☐☐☐ Interpret probabilities and parameters for a sampling distribution for a difference in proportions. [Skill 4.B]

5.7 Sampling Distributions for Sample Means 样本均值的抽样分布

- ☐☐☐ Determine parameters for a sampling distribution for sample means. [Skill 3.B]
- ☐☐☐ Determine whether a sampling distribution of a sample mean can be described as approximately normal. [Skill 3.C]
- ☐☐☐ Interpret probabilities and parameters for a sampling distribution for a sample mean. [Skill 4.B]

5.8 Sampling Distributions for Differences in Sample Means 样本均值之差的抽样分布

- ☐☐☐ Determine parameters of a sampling distribution for a difference in sample means. [Skill 3.B]
- ☐☐☐ Determine whether a sampling distribution of a difference in sample means can be described as approximately normal. [Skill 3.C]
- ☐☐☐ Interpret probabilities and parameters for a sampling distribution for a difference in sample means. [Skill 4.B]

6. Inference for Categorical Data: Proportions 分类数据的推断：比例

6.1 Introducing Statistics: Why Be Normal? 统计学导论：为什么要用正态?

- ☐☐☐ Identify questions suggested by variation in the shapes of distributions of samples taken from the same population. [Skill 1.A]

6.2 Constructing a Confidence Interval for a Population Proportion 构建总体比例的置信区间

- ☐☐☐ Identify an appropriate confidence interval procedure for a population proportion. [Skill 1.D]
- ☐☐☐ Verify the conditions for calculating confidence intervals for a population proportion. [Skill 4.C]
- ☐☐☐ Determine the margin of error for a given sample size and an estimate for the sample size that will result in a given margin of error for a population proportion. [Skill 3.D]

☐☐☐ Calculate an appropriate confidence interval for a population proportion. [Skill 3.D]

☐☐☐ Calculate an interval estimate based on a confidence interval for a population proportion. [Skill 3.D]

6.3 Justifying a Claim Based on a Confidence Interval for a Population Proportion 基于总体比例置信区间论证结论

☐☐☐ Interpret a confidence interval for a population proportion. [Skill 4.B]

☐☐☐ Justify a claim based on a confidence interval for a population proportion. [Skill 4.D]

☐☐☐ Identify the relationships between sample size, width of a confidence interval, confidence level, and margin of error for a population proportion. [Skill 4.A]

6.4 Setting Up a Test for a Population Proportion 建立总体比例的检验

☐☐☐ Identify the null and alternative hypotheses for a population proportion. [Skill 1.F]

☐☐☐ Identify an appropriate testing method for a population proportion. [Skill 1.E]

☐☐☐ Verify the conditions for making statistical inferences when testing a population proportion. [Skill 4.C]

6.5 Interpreting p-Values 解释 p 值

☐☐☐ Calculate an appropriate test statistic and p-value for a population proportion. [Skill 3.E]

☐☐☐ Interpret the p-value of a significance test for a population proportion. [Skill 4.B]

6.6 Concluding a Test for a Population Proportion 得出总体比例检验的结论

☐☐☐ Justify a claim about the population based on the results of a significance test for a population proportion. [Skill 4.E]

6.7 Potential Errors When Performing Tests 进行检验时的潜在错误

☐☐☐ Identify Type I and Type II errors. [Skill 1.B]

☐☐☐ Calculate the probability of a Type I and Type II errors. [Skill 3.A]

☐☐☐ Identify factors that affect the probability of errors in significance testing. [Skill 4.A]

☐☐☐ Interpret Type I and Type II errors. [Skill 4.B]

6.8 Confidence Intervals for the Difference of Two Proportions 两个比例之差的置信区间

☐☐☐ Identify an appropriate confidence interval procedure for a comparison of population proportions. [Skill 1.D]

☐☐☐ Verify the conditions for calculating confidence intervals for a difference between population proportions. [Skill 4.C]

☐☐☐ Calculate an appropriate confidence interval for a comparison of population proportions. [Skill 3.D]

☐☐☐ Calculate an interval estimate based on a confidence interval for a difference of proportions. [Skill 3.D]

6.9 Justifying a Claim Based on a Confidence Interval for a Difference of Population Proportions 基于两个总体比例之差的置信区间论证结论

☐☐☐ Interpret a confidence interval for a difference of proportions. [Skill 4.B]

☐☐☐ Justify a claim based on a confidence interval for a difference of proportions. [Skill 4.D]

6.10 Setting Up a Test for the Difference of Two Population Proportions 建立两个总体比例之差的检验

- ☐☐☐ Identify the null and alternative hypotheses for a difference of two population proportions. [Skill 1.F]
- ☐☐☐ Identify an appropriate testing method for the difference of two population proportions. [Skill 1.E]
- ☐☐☐ Verify the conditions for making statistical inferences when testing a difference of two population proportions. [Skill 4.C]

6.11 Carrying Out a Test for the Difference of Two Population Proportions 执行两个总体比例之差的检验

- ☐☐☐ Calculate an appropriate test statistic for the difference of two population proportions. [Skill 3.E]
- ☐☐☐ Interpret the p-value of a significance test for a difference of population proportions. [Skill 4.B]
- ☐☐☐ Justify a claim about the population based on the results of a significance test for a difference of population proportions. [Skill 4.E]

7. Inference for Quantitative Data: Means 定量数据的推断：均值

7.1 Introducing Statistics: Should I Worry About Error? 统计学导论：我应该担心误差吗?

- ☐☐☐ Identify questions suggested by probabilities of errors in statistical inference. [Skill 1.A]

7.2 Constructing a Confidence Interval for a Population Mean 构建总体均值的置信区间

- ☐☐☐ Describe t-distributions. [Skill 3.C]
- ☐☐☐ Identify an appropriate confidence interval procedure for a population mean, including the mean difference between values in matched pairs. [Skill 1.D]
- ☐☐☐ Verify the conditions for calculating confidence intervals for a population mean, including the mean difference between values in matched pairs. [Skill 4.C]
- ☐☐☐ Determine the margin of error for a given sample size for a one-sample t-interval. [Skill 3.D]
- ☐☐☐ Calculate an appropriate confidence interval for a population mean, including the mean difference between values in matched pairs. [Skill 3.D]

7.3 Justifying a Claim About a Population Mean Based on a Confidence Interval 基于置信区间论证关于总体均值的结论

- ☐☐☐ Interpret a confidence interval for a population mean, including the mean difference between values in matched pairs. [Skill 4.B]
- ☐☐☐ Justify a claim based on a confidence interval for a population mean, including the mean difference between values in matched pairs. [Skill 4.D]
- ☐☐☐ Identify the relationships between sample size, width of a confidence interval, confidence level, and margin of error for a population mean. [Skill 4.A]

7.4 Setting Up a Test for a Population Mean 建立总体均值的检验

- ☐☐☐ Identify an appropriate testing method for a population mean with unknown σ, including the mean difference between values in matched pairs. [Skill 1.E]
- ☐☐☐ Identify the null and alternative hypotheses for a population mean with unknown σ, including the mean difference between values in matched pairs. [Skill 1.F]
- ☐☐☐ Verify the conditions for the test for a population mean, including the mean difference between values in matched pairs. [Skill 4.C]

7.5 Carrying Out a Test for a Population Mean 执行总体均值的检验

- ☐☐☐ Calculate an appropriate test statistic for a population mean, including the mean difference between values in matched pairs. [Skill 3.E]
- ☐☐☐ Interpret the p-value of a significance test for a population mean, including the mean difference between values in matched pairs. [Skill 4.B]
- ☐☐☐ Justify a claim about the population based on the results of a significance test for a population mean. [Skill 4.E]

7.6 Confidence Intervals for the Difference of Two Means 两个均值之差的置信区间

- ☐☐☐ Identify an appropriate confidence interval procedure for a difference of two population means. [Skill 1.D]
- ☐☐☐ Verify the conditions to calculate confidence intervals for the difference of two population means. [Skill 4.C]
- ☐☐☐ Determine the margin of error for the difference of two population means. [Skill 3.D]
- ☐☐☐ Calculate an appropriate confidence interval for a difference of two population means. [Skill 3.D]

7.7 Justifying a Claim About the Difference of Two Means Based on a Confidence Interval 基于置信区间论证关于两个均值之差的结论

- ☐☐☐ Interpret a confidence interval for a difference of population means. [Skill 4.B]
- ☐☐☐ Justify a claim based on a confidence interval for a difference of population means. [Skill 4.D]
- ☐☐☐ Identify the effects of sample size on the width of a confidence interval for the difference of two means. [Skill 4.A]

7.8 Setting Up a Test for the Difference of Two Population Means 建立两个总体均值之差的检验

- ☐☐☐ Identify an appropriate selection of a testing method for a difference of two population means. [Skill 1.E]
- ☐☐☐ Identify the null and alternative hypotheses for a difference of two population means. [Skill 1.F]
- ☐☐☐ Verify the conditions for the significance test for the difference of two population means. [Skill 4.C]

7.9 Carrying Out a Test for the Difference of Two Population Means 执行两个总体均值之差的检验

- ☐☐☐ Calculate an appropriate test statistic for a difference of two means. [Skill 3.E]
- ☐☐☐ Interpret the p-value of a significance test for a difference of population means. [Skill 4.B]
- ☐☐☐ Justify a claim about the population based on the results of a significance test for a difference of two population means in context. [Skill 4.E]

7.10 Skills Focus: Selecting, Implementing, and Communicating Inference Procedures 技能聚焦：选择、实施与表达推断方法

- ☐☐☐ Skills Focus: Selecting, Implementing, and Communicating Inference Procedures

8. Inference for Categorical Data: Chi-Square 分类数据的推断：卡方

8.1 Introducing Statistics: Are My Results Unexpected? 统计学导论：我的结果出乎意料吗?

- ☐☐☐ Identify questions suggested by variation between observed and expected counts in categorical data. [Skill 1.A]

8.2 Setting Up a Chi-Square Goodness of Fit Test 建立卡方拟合优度检验

- ☐☐☐ Describe chi-square distributions. [Skill 3.C]
- ☐☐☐ Identify the null and alternative hypotheses in a test for a distribution of proportions in a set of categorical data. [Skill 1.F]
- ☐☐☐ Identify an appropriate testing method for a distribution of proportions in a set of categorical data. [Skill 1.E]
- ☐☐☐ Calculate expected counts for the chi-square test for goodness of fit. [Skill 3.A]
- ☐☐☐ Verify the conditions for making statistical inferences when testing goodness of fit for a chi-square distribution. [Skill 4.C]

8.3 Carrying Out a Chi-Square Test for Goodness of Fit 执行卡方拟合优度检验

- ☐☐☐ Calculate the appropriate statistic for the chi-square test for goodness of fit. [Skill 3.E]
- ☐☐☐ Determine the p-value for chi-square test for goodness of fit significance test. [Skill 3.E]
- ☐☐☐ Interpret the p-value for the chi-square test for goodness of fit. [Skill 4.B]
- ☐☐☐ Justify a claim about the population based on the results of a chi-square test for goodness of fit. [Skill 4.E]

8.4 Expected Counts in Two-Way Tables 双向表中的期望频数

- ☐☐☐ Calculate expected counts for two-way tables of categorical data. [Skill 3.A]

8.5 Setting Up a Chi-Square Test for Homogeneity or Independence 建立卡方齐性或独立性检验

- ☐☐☐ Identify the null and alternative hypotheses for a chi-square test for homogeneity or independence. [Skill 1.F]
- ☐☐☐ Identify an appropriate testing method for comparing distributions in two-way tables of categorical data. [Skill 1.E]
- ☐☐☐ Verify the conditions for making statistical inferences when testing a chi-square distribution for independence or homogeneity. [Skill 4.C]

8.6 Carrying Out a Chi-Square Test for Homogeneity or Independence 执行卡方齐性或独立性检验

- ☐☐☐ Calculate the appropriate statistic for a chi-square test for homogeneity or independence. [Skill 3.E]
- ☐☐☐ Determine the p-value for a chi-square significance test for independence or homogeneity. [Skill 3.E]
- ☐☐☐ Interpret the p-value for the chi-square test for homogeneity or independence. [Skill 4.B]
- ☐☐☐ Justify a claim about the population based on the results of a chi-square test for homogeneity or independence. [Skill 4.E]

8.7 Skills Focus: Selecting an Appropriate Inference Procedure for Categorical Data 技能聚焦：为分类数据选择合适的推断方法

☐☐☐ Skills Focus: Selecting an Appropriate Inference Procedure for Categorical Data

9. Inference for Quantitative Data: Slopes 定量数据的推断：斜率

9.1 Introducing Statistics: Do Those Points Align? 统计学导论：这些点在一条线上吗?

☐☐☐ Identify questions suggested by variation in scatter plots. [Skill 1.A]

9.2 Confidence Intervals for the Slope of a Regression Model 回归模型斜率的置信区间

☐☐☐ Identify an appropriate confidence interval procedure for a slope of a regression model. [Skill 1.D]

☐☐☐ Verify the conditions to calculate confidence intervals for the slope of a regression model. [Skill 4.C]

☐☐☐ Determine the given margin of error for the slope of a regression model. [Skill 3.D]

☐☐☐ Calculate an appropriate confidence interval for the slope of a regression model. [Skill 3.D]

9.3 Justifying a Claim About the Slope of a Regression Model Based on a Confidence Interval 基于置信区间论证关于回归模型斜率的结论

☐☐☐ Interpret a confidence interval for the slope of a regression model. [Skill 4.B]

☐☐☐ Justify a claim based on a confidence interval for the slope of a regression model. [Skill 4.D]

☐☐☐ Identify the effects of sample size on the width of a confidence interval for the slope of a regression model. [Skill 4.A]

9.4 Setting Up a Test for the Slope of a Regression Model 建立回归模型斜率的检验

☐☐☐ Identify the appropriate selection of a testing method for a slope of a regression model. [Skill 1.E]

☐☐☐ Identify appropriate null and alternative hypotheses for a slope of a regression model. [Skill 1.F]

☐☐☐ Verify the conditions for the significance test for the slope of a regression model. [Skill 4.C]

9.5 Carrying Out a Test for the Slope of a Regression Model 执行回归模型斜率的检验

☐☐☐ Calculate an appropriate test statistic for the slope of a regression model. [Skill 3.E]

☐☐☐ Interpret the p-value of a significance test for the slope of a regression model. [Skill 4.B]

☐☐☐ Justify a claim about the population based on the results of a significance test for the slope of a regression model. [Skill 4.E]

9.6 Skills Focus: Selecting an Appropriate Inference Procedure 技能聚焦：选择合适的推断方法

☐☐☐ Skills Focus: Selecting an Appropriate Inference Procedure