VPC2 C207 Data-Driven Decision Making Version 3

Section: IT & Computer Studies • **Total Questions:** 10 • **Format:** Verified Q&A

1. What is the basic difference between evaluating costs and benefits in the public and private sectors?

(A) The benefit of private projects is general public welfare.
(B) Private projects generate considerable revenue.
(C) The costs associated with public projects are minimal.
(D) The benefits of public projects are easily quantifiable.

2. Which analytic used in healthcare is calculated as a proportion of new cases compared to person-time units?

(A) Incidence rate
(B) Cumulative incidence
(C) Morbidity rate
(D) Prevalence

3. What is the purpose of linking strategy to performance assessment in an organization?

(A) To increase the organization's data collection
(B) To translate the organization's mission for only team players
(C) To decrease the organization's action plans
(D) To provide a target of where an organization needs or desires to be

4. What results from starting an analysis with flawed data?

(A) Spreadsheets must be used to increase the likelihood of analyzing the flawed data.
(B) More time is spent managing data than analyzing data.
(C) Data must be put in a table or a chart so that errors can be more easily detected.
(D) Missing data tend to skew the results of the analysis.

5. A normally distributed data index of vehicle safety ratings has a mean of 100 and a standard deviation of 15. What is the probability that a randomly selected vehicle safety score from the data set will be between 85 and 115?

(A) 68.30%

(B) 95.40%

(C) 99.70%

(D) 100%

---

6. Why would a human resources department use both mean and median when doing a salary evaluation of a department?

(A) A large difference between mean and median shows a miscalculation in the analysis.

(B) A large difference between mean and median shows an abnormal standard deviation.

(C) A large difference between mean and median shows there are outliers to assess.

(D) A large difference between mean and median shows that some employees need raises.

---

7. A political ballot gives voters the option to vote for one of three candidates. Eight voters cast their ballots. Which statistical rule should be used to determine the possible voting outcomes?

(A) Bayes theorem

(B) Combination

(C) Multiplication principle

(D) Conditional probability

---

8. A store owner wants to know the average sales for each day of the week. Which statistic is this store owner looking for?

(A) Variance

(B) Distribution

(C) Median

(D) Mean

---

9. Which input could be used to create and evaluate a process that would improve an organization's performance?

(A) Data gathered from a customer survey

(B) Information from an employee handbook

(C) Suggestions from a close competitor

(D) Rules and regulations imposed on the banking industry

---

10. How is a cause-and-effect diagram used?

(A) As a software tool to automatically generate a business process diagram

(B) As a financial risk calculation tool for a new product release

(C) To brainstorm possible root causes for an intermittency problem

(D) To assign blame for manufacturing problems