

Examrace

Statistics MCQs – Basic Probability Part 3

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41. You are given the following: $P(A \text{ and } E) = 0.24$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.10$ and $P(\bar{A} \text{ and } \bar{E}) = 0.34$. What is $P(E)$?

- a. 0.47
- b. 0.48
- c. 0.53
- d. 0.56
- e. 0.51

Answer: D

42. You are given the following: $P(A \text{ and } E) = 0.19$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.14$ and $P(\bar{A} \text{ and } \bar{E}) = 0.35$. What is $P(E)$?

- a. 0.47
- b. 0.48
- c. 0.53
- d. 0.56
- e. 0.51

Answer: E

43. You are given the following: $P(A \text{ and } B) = 0.17$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.17$ and $P(\bar{A} \text{ and } \bar{E}) = 0.34$. What is $P(\bar{A})$?

- a. 0.66
- b. 0.65
- c. 0.68
- d. 0.63
- e. 0.72

Answer: A

44. You are given the following: $P(A \text{ and } E) = 0.20$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.15$ and $P(\bar{A} \text{ and } \bar{E}) = 0.33$. What is $P(\bar{A})$?

- a. 0.66
- b. 0.65
- c. 0.68
- d. 0.63
- e. 0.72

Answer: B

45. You are given the following: $P(A \text{ and } E) = 0.19$, $P(\bar{A} \text{ and } E) = 0.38$, $P(A \text{ and } \bar{E}) = 0.13$ and $P(\bar{A} \text{ and } \bar{E}) = 0.30$. What is $P(\bar{A})$?

- a. 0.66
- b. 0.65
- c. 0.68
- d. 0.63
- e. 0.72

Answer: C

46. You are given the following: $P(A \text{ and } E) = 0.17$, $P(\bar{A} \text{ and } E) = 0.33$, $P(A \text{ and } \bar{E}) = 0.20$ and $P(\bar{A} \text{ and } \bar{E}) = 0.3$. What is $P(\bar{A})$?

- a. 0.66
- b. 0.65
- c. 0.68
- d. 0.63
- e. 0.72

Answer: D

47. You are given the following: $P(A \text{ and } E) = 0.16$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.12$ and $P(\bar{A} \text{ and } \bar{E}) = 0.40$. What is $P(\bar{A})$?

- a. 0.66
- b. 0.65
- c. 0.68
- d. 0.63

e. 0.72

Answer: E

48. You are given the following: $P(A \text{ and } E) = 0.15$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.10$ and $P(\bar{A} \text{ and } \bar{E}) = 0.43$. What is $P(\bar{A})$?

a. 0.75

b. 0.73

c. 0.61

d. 0.66

e. 0.67

Answer: A

49. You are given the following: $P(A \text{ and } E) = 0.16$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.11$ and $P(\bar{A} \text{ and } \bar{E}) = 0.41$. What is $P(\bar{A})$?

a. 0.75

b. 0.73

c. 0.61

d. 0.66

e. 0.67

Answer: B

50. You are given the following: $P(A \text{ and } E) = 0.17$, $P(\bar{A} \text{ and } E) = 0.36$, $P(A \text{ and } \bar{E}) = 0.10$ and $P(\bar{A} \text{ and } \bar{E}) = 0.37$. What is $P(\bar{A})$?

a. 0.75

b. 0.73

c. 0.61

d. 0.66

e. 0.67

Answer: B

51. You are given the following: $P(A \text{ and } E) = 0.24$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.10$ and $P(\bar{A} \text{ and } \bar{E}) = 0.34$. What is $P(\bar{A})$?

a. 0.75

b. 0.73

- c. 0.61
- d. 0.66
- e. 0.67

Answer: D

52. You are given the following: $P(A \text{ and } E) = 0.19$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.14$ and $P(\bar{A} \text{ and } \bar{E}) = 0.35$. What is $P(\bar{A})$?

- a. 0.75
- b. 0.73
- c. 0.61
- d. 0.66
- e. 0.67

Answer: E

53. You are given the following: $P(A \text{ and } B) = 0.17$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.17$ and $P(\bar{A} \text{ and } \bar{E}) = 0.34$. What is $P(\bar{E})$?

- a. 0.51
- b. 0.48
- c. 0.43
- d. 0.50
- e. 0.52

Answer: A

54. You are given the following: $P(A \text{ and } E) = 0.20$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.15$ and $P(\bar{A} \text{ and } \bar{E}) = 0.33$. What is $P(\bar{E})$?

- a. 0.51
- b. 0.48
- c. 0.43
- d. 0.50
- e. 0.52

Answer: B

55. You are given the following: $P(A \text{ and } E) = 0.19$, $P(\bar{A} \text{ and } E) = 0.38$, $P(A \text{ and } \bar{E}) = 0.13$ and $P(\bar{A} \text{ and } \bar{E}) = 0.30$. What is $P(\bar{E})$?

- a. 0.51
- b. 0.48
- c. 0.43
- d. 0.50
- e. 0.52

Answer: C

56. You are given the following: $P(A \text{ and } E) = 0.17$, $P(\bar{A} \text{ and } E) = 0.33$, $P(A \text{ and } \bar{E}) = 0.20$ and $P(\bar{A} \text{ and } \bar{E}) = 0.3$. What is $P(\bar{E})$?

- a. 0.51
- b. 0.48
- c. 0.43
- d. 0.50
- e. 0.52

Answer: D

57. You are given the following: $P(A \text{ and } E) = 0.16$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.12$ and $P(\bar{A} \text{ and } \bar{E}) = 0.40$. What is $P(\bar{E})$?

- a. 0.51
- b. 0.48
- c. 0.43
- d. 0.50
- e. 0.52

Answer: E

58. You are given the following: $P(A \text{ and } B) = 0.17$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.17$ and $P(\bar{A} \text{ and } \bar{E}) = 0.34$. What is $P(A \text{ or } E)$?

- a. 0.66
- b. 0.67
- c. 0.70
- d. 0.75
- e. 0.60

Answer: A

59. You are given the following: $P(A \text{ and } E) = 0.20$, $P(\bar{A} \text{ and } E) = 0.32$, $P(A \text{ and } \bar{E}) = 0.15$ and $P(\bar{A} \text{ and } \bar{E}) = 0.33$. What is $P(A \text{ or } E)$?

- a. 0.66
- b. 0.67
- c. 0.70
- d. 0.75
- e. 0.60

Answer: B

60. You are given the following: $P(A \text{ and } E) = 0.19$, $P(\bar{A} \text{ and } E) = 0.38$, $P(A \text{ and } \bar{E}) = 0.13$ and $P(\bar{A} \text{ and } \bar{E}) = 0.30$. What is $P(A \text{ or } E)$?

- a. 0.66
- b. 0.67
- c. 0.70
- d. 0.75
- e. 0.60

Answer: C

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