

Historical Milestones in Statistics

Statistics · Answer Key · 10 Questions

1. Which 19th-century polymath and statistician is credited with introducing the concept of the 'normal distribution' and the method of least squares?

A) Carl Friedrich Gauss

B) Adolphe Quetelet

C) Francis Galton

D) Karl Pearson

2. Who published the 1908 paper 'The Probable Error of a Mean' under the pseudonym 'Student' while working at the Guinness Brewery?

A) Ronald Fisher

B) William Sealy Gosset

C) Egon Pearson

D) Jerzy Neyman

3. In 1892, who founded the world's first university department of statistics at University College London?

A) Francis Galton

B) Karl Pearson

C) Charles Spearman

D) Thomas Bayes

4. Which English mathematician is famous for posthumously publishing an essay in 1763 that laid the foundation for Bayesian statistics?

A) Pierre-Simon Laplace

B) Thomas Bayes

C) Abraham de Moivre

D) Bernoulli

5. Which statistician and geneticist developed the analysis of variance (ANOVA) and wrote 'Statistical Methods for Research Workers' in 1925?

A) Ronald Fisher

B) Harold Hotelling

C) Frank Yates

D) David Cox

6. Adolphe Quetelet is best known in the history of statistics for introducing what concept to population studies?

- A) Standard Deviation
- B) Correlation Coefficient
- C) The Body Mass Index (Quetelet Index)**
- D) Regression to the Mean

7. Which scientist coined the term 'regression' in the 1880s while studying the relationship between the heights of parents and their children?

- A) Francis Galton**
- B) Karl Pearson
- C) Charles Darwin
- D) Alfred Russel Wallace

8. What 17th-century work, written by John Graunt in 1662, is considered the first significant statistical analysis of mortality data?

- A) Natural and Political Observations Made upon the Bills of Mortality**
- B) The Doctrine of Chances
- C) Ars Conjectandi
- D) An Essay towards Solving a Problem in the Doctrine of Chances

9. Which famous statistical distribution was named after the French mathematician who described it in his 1812 work 'Théorie analytique des probabilités'?

- A) Poisson distribution
- B) Laplace distribution**
- C) Gaussian distribution
- D) Bernoulli distribution

10. Which statistician was instrumental in the development of the Chi-squared test, published in his 1900 paper?

- A) Karl Pearson**
- B) Ronald Fisher
- C) William Sealy Gosset
- D) Egon Pearson