Statistics 101

Statistics is one of the most challenging topics to learn, but our statistician brings a gentle introduction to statistics in practice. Statistics 101 is a beginner-friendly course designed to introduce fundamental statistical concepts in an engaging and practical way. It covers essential topics such as descriptive statistics, probability, variance, correlation, and data visualization

Course Syllabus

Module 1

Welcome to Statistics

Welcome to Statistics, Data visualization, All about data, SPSS Statistics, SPSS Statistics in 5 minutes, Lab exercises

Module 2

Basic Statistics

Types of data, Measures of dispersion, Mean, median, mode, Statistics by data type, Probability, Lab exercises

Module 3

Summarizing Data

Statistics by groups, Visualization of group statistics, Pivoting, Cross-tabulations, Correlation, Lab exercises

Module 4

Data Visualization

Visualization fundamentals, Descriptive and statistical charts, Scatterplots, Statistical charts, Time series charts, Lab exercises

Module 5

Does Beauty Pay?

Does Beauty Pay?, Weighted means, standard deviations, Data wrangling, Descriptive Statistics, Reproducibility with syntax in SPSS Statistics, Lab exercises

This self-paced course offers complete flexibility, allowing you to start and progress at your own convenience. With no fixed schedule, you can begin the course at any time and move through the material at a pace that suits you. Additionally, there are no limits on revisiting the content, you can audit the course as many times as you like, ensuring you fully grasp the concepts and reinforce your learning whenever needed

No prior experience necesssary.

A free trial is available through this course

Experiential Project-Based Learning program for engineering colleges

Enhancing entrepreneurial and employability skills for India's engineering colleges

Imagine if your students could get real-world hands-on experience, mentoring and coaching in professional skills and emerging technologies from leading industry experts. Well now they can, with IBM's innovative Experiential Project-Based Learning (EPBL) program.

Enhance your offerings in fields like:

- Artificial Intelligence
- Data Science
- IoT
- Data Analytics and Visualization

What is IBM's EPBL Program?

- The process of learning where teams of students collaborate with college faculty and industry experts to create solutions to industry-oriented problem statements/use cases in an academic environment
- A flexible, 90-350 hour, program where students earn required academic credits and industry-recognised certificates from IBM
- An unparalleled opportunity to build practical, industry-aligned job skills in a safe, mentored environment

Sample industries:

- Energy and utilities
- Travel and transportation
- Government and education
- Healthcare and life sciences
- Chemical and petroleum
- Aerospace and defense
- Banking, financial services and insurance
- FMCG
- Communications
- Automotive
- Electronics

Attract the Best, Empower Success

Experiential Learning

Professional and human skills such as time management, virtual collaboration, conflict resolution, and common collaboration tools

Industry Mentorship

Coaching by subject-matter experts on in-demand technologies through online chat and Ask Me Anything sessions

Emerging Technical Skills

Live instructor-led training, hands-on labs, use cases, exercises, assignments, and quizzes

Applied understanding that provides job ready skills and practical experience

Make the IBM EPBL program a vital part of your college

Contact IBM today: Devkant Aggarwal
dev.aggarwal@in.ibm.com

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