



GOVERNMENT OF TAMIL NADU

HIGHER SECONDARY SECOND YEAR

STATISTICS

A publication under Free Textbook Programme of Government of Tamil Nadu

Department Of School Education

Untouchability is Inhuman and a Crime

Government of Tamil Nadu

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NOT FOR SALE

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STATISTICS

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E-book



Assessment

Profile of a Statistician

Presents a brief history and contribution of a statistician

Learning Objectives



Goals to transform the classroom processes a learner centric



Amazing facts, Rhetorical questions to lead students to Statistical inquiry



Note

Additional inputs to content is provided



Activity

Directions are provided to students to conduct activities in order to explore, enrich the concept

Infographics

Visual representation of the lesson to enrich learning

KEY FEATURES OF THE BOOK



To motivate the students to further explore the content digitally and take them to virtual world

Success Story

Success Stories given as a source of inspiration

Points to Remember

Summary of each lesson is given at the end



ICT

To enhance digital skills among students

Evaluation

Assess students to pause, think and check their understanding

Glossary

Explanation of scientific terms

Career in Statistics

After completion of Higher Secondary Course, the subject Statistics is an essential part of the curriculum of many undergraduate, postgraduate, professional courses and research level studies. At least one or more papers are included in the Syllabus of the following courses:

| Under Graduate Courses | Post Graduate Courses | Competitive Eaminations |
|---|---|---|
| B.A.(Economics) B.Com B.B.A B.C.A B.Sc.(Maths) B.Pharm B.Ed B.Stat B.E Diploma Courses | M.A.(Economics) M.Com M.B.A M.C.A M.Sc M.Pharm M.Ed M.Stat M.E C.A I.C.W.A Actuarial science | UPSC TNPSC Staff Selection Commission Examinations I.A.S I.F.S and many more |

Specialized fields in Statistics : Colleges/universities, Indian Statistical Institute(ISI) offer a number of specialisations in statistics at undergraduate, postgraduate and research level. A candidate with bachelor's degree in statistics can also apply for Indian Statistical Services (ISS).

| Job Titles | Job Areas |
|---|---|
| <ul style="list-style-type: none"> • Statisticians • Business Analyst • Mathematician • Professor • Risk Analyst • Data Analyst • Content Analyst • Statistics Trainer • Data Scientist • Consultant • Biostatistician • Econometrician | <ul style="list-style-type: none"> • Census • Ecology • Medicine • Election • Crime • Economics • Education • Film • Sports • Tourism |

Skills Required for a statistician

- Strong Foundation in Mathematical Statistics
- Logical Thinking & Ability to Comprehend Key Facts
- Ability to Interact with people from various fields to understand the problems
- Strong Background in Statistical Computing
- Ability to stay updated on recent literature & statistical software
- Versatility in solving problems

