

STATISTICS

Unit – I:

- a) Meaning and Definition of statistics
- b) Types of statistics
- c) Data- Quantitative and qualitative data- grouped.

Unit – II:

- a) Mean, Median and mode – definitions.
- b) Computation of mean, median and mode from the un – grouped data
Discrete data.
- c) Specific characteristics and uses of measures of central tendency.

Unit – III:

- a) Range – Quartile deviation – Mean deviation – Standard deviation –
Definitions.
- b) Computation of Quartile deviation – Mean deviation and Standard
deviation from the un – grouped data.
- c) Definition and computation of Co – efficient of variation from the un –
grouped data.
- d) Specific Characteristics and uses of Measures of Variability.

Unit – IV:

- a) Computation combined mean from un – grouped data.
- b) Normal curve and its properties – Homogeneous and Heterogeneous
group.

Unit – V:

- a) Meaning and Definition of Correlation and its types.
- b) Computation of Product Moment Correlation from the un – grouped
data.
- c) Diagrammatic representation – Bar diagram, Pie diagram, Histogram.

Reference:

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3. Clarke, David H and H.Harrison Clarke. (1984). *Research Process in
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4. Rothstein, Anne L. *Research design and Statistics for Physical Education*.
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