



B.Sc. (Statistics) SEMESTER- IV

Paper 2 (Applied Statistics)

Unit 1

Sources of demographic data: <https://youtu.be/Spogs8gJsnk?si=zlgp-oioi1wF3nO7>

Measurement of mortality and life tables:

<https://youtu.be/n0tQh79M2kA?si=4MMOAI6pKIL5uiaY>

Construction of life tables: https://youtu.be/xLcACIpf6_s?si=w6F2qj1Mq7QETyyq

Unit 2

Measurement of fertility: https://youtu.be/5LxcrshvqFw?si=d6bIQnU_WUaFiPqi

Rates of population growth: <https://youtu.be/R2yPeLJsPOo?si=egNPTGJh3Q6T3gcT>

Gross reproduction rate, and net reproduction rate with relative merits and demerits: <https://youtu.be/h0igOUaVNKQ?si=3BI8SzYNJfoJf3T->

Unit 3

Psychological and Educational Statistics:

<https://youtu.be/EBEY4QpmmwU?si=vXRhdoWi2ACwAQOM>

T scores, percentile scores: <https://youtu.be/3s2ZV7ssjPw?si=5hT5nP2Ek1gKh1s6>

Comparison of T-scores and standard scores:

<https://www.youtube.com/live/BBleHAYwDTI?si=aeugka11dTfPjeqq>

Unit 4

Concept of Reliability of test scores: <https://youtu.be/KuFHev0P-5c?si=0BEvmrnB7ExiI7A7>

Rulon and Kudar Richardson formulae of test reliability:

https://youtu.be/tkktA_ltIQk?si=rYoP6uqHLHxnd_n7

comparison between reliability and validity:

<https://youtu.be/Wbc88N2PTe8?si=TczZtfj-W46BmP1K>