STATA TEST

Kanika Mahajan
Assistant Professor, Ashoka University

READ THE INSTRUCTIONS CAREFULLY
Give the main results in latex typed assignment referring to the table outputs from
STATA. The latex file should import tables generated through the STATA code and saved
in latex format. Do not manually copy paste the tables. Please send the completed outputs
over email (4 outputs- latex pdf and tex file, tex tables, one graph file, do file).

Q1. Refer to the National Sample Survey data on employment and unemployment round
(2004) and answer the below questions.

Based on the data provided compute the following statistics for the population:

(i) *(5 marks)* Compute the marginal distribution of caste (SC/ST/OBC/General) and sex
(Male, Female) in the individual population.
(ii) *(5 marks)* Compute the joint distribution of sex (Male, Female) and caste
(SC/ST/OBC/General) in the individual population.
(iii) *(5 marks)* Calculate the average monthly per capita consumption expenditure for
households across the states of India? Which are the topmost states in terms of
consumption per capita?(The variable *mpce* in NSS gives monthly consumption
expenditure for the household, divide it by household size, given in variable *hh_size* to get
monthly per capita consumption for the household. Use the household file (level01) to
calculate the mean for each state)
(iv) *(5 marks)* Calculate the deciles of per capita expenditure for households across India.
Show the cut-offs for each decile. Do this using household data. (Use the household file
(level01) to calculate the deciles for India)
(v) *(10 marks)* Now use the individual level file and keep individuals aged 15-59. Compute
the proportion of females currently employed by principal status (Status codes 11-51 for
employment in *pri_activity_status*). Compute the proportion of males currently
employed (Status codes 11-51 for employment in *pri_activity_status*). Is the employment
proportion significantly different across males and females?
(vi) *(10 marks)* Does the employment rate by principal status for females (aged 15-59)
differ across expenditure deciles? Plot in a graph and comment. (Hint: Merge the
individual level data with the deciles created in part 4, compute the employment rate by
principal status for females. The unique identifier for household is the variable *common_id*
and the unique identifier for an individual is *common_id person_srl_no*).