

This is an open book computer-based and time restricted exam. You have only **two hours**, including reading time, to answer all the **FIVE** questions.

You must answer all your questions on a Microsoft Word file.

Dataset to be used in the analysis

The dataset is provided in SAV format that can be run using SPSS. You can access the data file (Banks. SAV) from the LMS under the 'Final Exam' Session. Each variable is defined in the label field. So, there is no need for a codebook.

Questions

| Question | Details | Marks |
|---|---|-------|
| Q1. We are interested in investigating the association between: a. Q 14 Vs Q4; b. Locations and Facilities Vs Regular Banking Services ; c. Location and Facilities Vs Q4; d. Regular Banking Services Vs Q4. | <ul style="list-style-type: none"> • What statistical technique(s) are you going to use? Why? • When applicable, make sure that the data meet the assumptions of the technique you have chosen. • Paste the tables and report the results (significance and magnitude) according to an academic style. | 20 |
| Q2. We are interested in investigating the ability of Regular Banking Services to predict Location and Facilities. | <ul style="list-style-type: none"> • What statistical technique(s) are you going to use? Why? • Make sure that the data meet the assumptions of the technique you have chosen. • Regardless of the assumptions, paste the tables and report the results (significance, magnitude, and formula) according to an academic style. | 10 |

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| Question | Details | Marks |
|--|--|-------|
| Q3. We are interested in exploring the differences in the scores of Regular banking Services according to the respondents' Employability status. | <ul style="list-style-type: none"> • What statistical technique(s) are you going to use? Why? • Make sure that the data meet the assumptions of the technique you have chosen. • Regardless of the assumptions, paste the tables and report the results according to an academic style. | 10 |
| <p>Q4. Assume that somebody has already tested the normality of the variable Location and Facilities according to the length of service groups. It was found the perspectives of Location and Facilities for each of the respondents' groups in terms of recommending their banks (variable Q44) was normally distributed. Accordingly, we would like to explore whether there is a difference in the Location and Facilities scores between:</p> <ol style="list-style-type: none"> a. the respondents' groups of how likely they would recommend their banks (variable Q44). b. The respondents who definitely would recommend their banks and those who definitely would NOT. | <ul style="list-style-type: none"> • What statistical technique(s) are you going to use? Why? • Except for normality, make sure that the data meet the assumptions of the technique you have chosen. • Paste the tables and report the results (significance and magnitude) according to an academic style | 20 |
| <p>Q5. Assume that somebody has already tested the normality of the variable Regular Banking Services according to the level of education groups. It was found that the variable Regular Banking Services for each level of education groups was NOT normally distributed. Accordingly, we would like to explore the following:</p> <ol style="list-style-type: none"> a. whether there is a difference in the Regular banking services scores across the level of education groups. b. Whether there is a difference between those who have primary education and those who hold a bachelor or higher degrees. | <ul style="list-style-type: none"> • What statistical technique(s) are you going to use? Why? • Except for normality, make sure that the data meet the assumptions of the technique you have chosen. • Paste the tables and report the results (significance and magnitude) according to an academic style. | 40 |
| Total | | 100 |

End of questions