



A Report on Guided Hours in Further Education and Sixth Form Colleges

MSc. Data Analytics

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ABSTRACT

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UNDERSTANDING THE DATA SET

DATA SOURCE

FORMAT

ANALYSIS SCOPE

METHODOLOGY

OBTAINING AND VALIDATE THE DATA

OBTAIN THE DATA

MERGE AND VALIDATE DATA

IDENTIFY AND RESOLVE ANOMALIES

EXPLORATORY ANALYSIS

TABULATE

To view data using Proc Tabulate

SUMMARISE

Dependent Variable (proc univariate and sgplot)

Independent Variable (Proc Freq)

Proc Freq

STATISTICAL MODELS

PROC TTEST

PROC REG

PROC GLM

PROC UNIVARIATE

ASSUMPTIONS OF NORMALITY

Parametric and non-parametric tests

Proc Npar1way

Explain Wilkonson's Test

Repeat Proc Univariate

INTERPRETATION OF METHODOLOGY

RESULTS

CONCLUSIONS

LIMITATIONS OF DATA SET

REFERENCES

APPENDIX

APPENDIX A: ASSUMPTIONS OF NORMAL DISTRIBUTIONS

APPENDIX B: FURTHER DETAILS OF DISTRIBUTION OF TRANSFORMED VARIABLES