#### The School of XXXXXX

# Scotland Water - XXXXX

by

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Supervised by Dr ??? ???

### Own Work Declaration

Here comes your own work declaration

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# Executive summary

Here I will write a very good, precise and brief executive summary.

### 1 Introduction

# 2 Background

3 Exploratory & initial data analysis

#### 3.1 Models

Models are  $\mathit{very}$  helpful because.

- They're good.
- They're helpful.

### 3.2 Techniques

Techniques even better because.

- 1. They're magnificent.
- 2. If they work.

#### 4 Technical Stuff

Now it's getting very technical ... I will cite Shiina & Birge (2004) Gröwe-Kuska & Römisch (2001).

#### 4.1 Important Things

Finally we should have a nice picture like this one. However, I won't forget that figures and table are environments which float around in my document. So LaTeX will place them wherever it thinks they fit well with the surrounding text. I can try to change that with a float specifier, e.g..

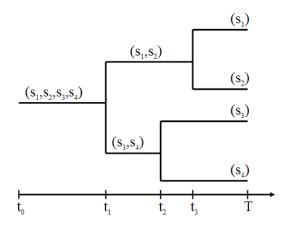


Figure 1: Look at this scenario tree with funny times  $t_1$  and scenarios  $s_1$  etc.

Now I want to use one of my own environments. I want to define something. I definitely need some good tables, so I do this. I should really refer to Table 1.

Case	Generators	Therm. Units	Lines	Peak load: [MW]	[MVar]
6 bus	3 at 3 buses	2	11	210	210
9 bus	3 at 3 buses	3	9	315	115
24 bus	33 at $11$ buses	26	38	2850	580
30 bus	6 at 6 buses	5	41	189.2	107.2
39 bus	10 at $10$ buses	7	46	6254.2	1387.1
57 bus	7 at 7 buses	7	80	1250.8	336.4

Table 1: Something that doesn't make sense.

#### 5 Conclusions

I have no idea how to conclude, so I don't write much. But the stuff that follows is important.

### References

Gröwe-Kuska, N. & Römisch, W. (2001), Stochastic unit commitment in hydro-thermal power production planning, Preprints aus dem Institut für Mathematik, Humboldt-Universität zu Berlin, Institut für Mathematik.

Shiina, T. & Birge, J. R. (2004), 'Stochastic unit commitment problem', *International Transactions in Operational Research* 11(1), 19–32.

# Appendices

# A An Appendix

Some stuff.

# B Another Appendix

Some other stuff.