TU Dublin, School Of Enterprise Computing and Digital Transformation: TU067 Thesis Template

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Abstract

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur? Quis autem vel eum iure reprehenderit qui in ea voluptate velit esse quam nihil molestiae consequatur, vel illum qui dolorem eum fugiat quo voluptas nulla pariatur?

Keywords

Do, Not, Use, This, Code, Put, the, Correct, Terms, for, Your, Paper

1 Introduction

1.1 Subsection Example

I am a subsection

1.1.1 Sub Subsection Example. I am a sub subsection

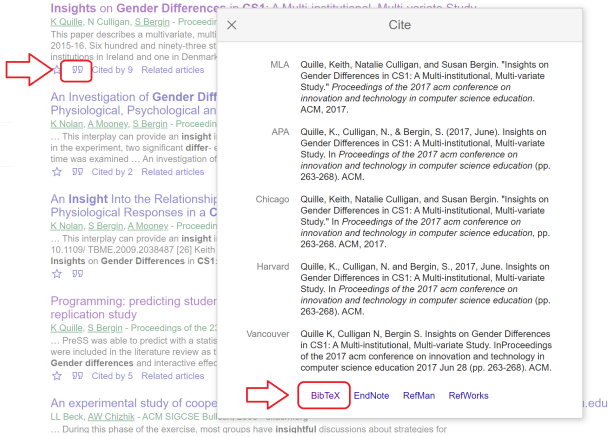
2 Literature Review

2.1 Introduction to Citations

Citations can be obtained from IEEE explore, ACM digital library or Google Scholar (along with multiple other sources). The format that this thesis template uses is a BibTeX file. In this thesis example it is named bibliography.bib. Inside the .bib file you can simply copy and paste a BibTeX entry. This allows for easy entry into the thesis. You can also directly link it with you Mendeley library.

To obtain a BibTeX entry in Google Scholar (Figure 1):

Figure 1: Referencing using BibTeX in Google Scholar



After selecting BibTex in Scholar, copy and paste the resulting BibTeX entry into the bibliography.bib file (Figure 2):

Figure 2: Scholar BibTeX

```
@inproceedings{quille2017insights,
  title={Insights on Gender Differences in CS1: A Multi-institutional, Multi-variate Study.},
  author={Quille, Keith and Culligan, Natalie and Bergin, Susan},
  booktitle={Proceedings of the 2017 acm conference on innovation and technology in computer science education},
  pages={263--268},
  year={2017},
  organization={ACM}
}
```

2.2 Example Citations

To reference a BibTeX entry (that is located in the bibliography.bib file), use:

```
\cite{}
```

This will present all of the citations in the BibTeX file. Once you select the reference, the Reference section will be automatically populated. Below is an example of using the BibTeX references:

[1] is a citation from an academic journal.
[2] is a citation from a conference proceeding.

2.3 Further Reading

Overleaf documentation on Bibtex files:
https://tinyurl.com/yyabzfjb

3 Method

3.1 Referencing Tables and Figures

To reference a table or figure, you must include a label on the figure or table using:

`\label{}`

To use or reference a label you use:

`\ref{}`

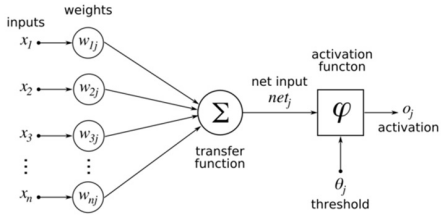
Example: Table 1 presents the p values from test A, and Figure 3 shows the architecture of a perceptron.

Table 1: Comparison *p* values

Attribute	*p-value*	Significant
Model A	0.0521	N
Model B	0.6171	N
Model C	<0.00001	Y

3.1.1 *Sample Table.*

Figure 3: Perceptron (Artificial Neural Network)



3.1.2 *Sample Figure.*

3.2 Equation Example

Sample equations:

$$Accuracy = \frac{(TP + TN)}{(TP + TN + FP + FN)} \tag{1}$$

$$Sensitivity = \frac{TP}{TP + FN} \tag{2}$$

$$Specificity = \frac{TN}{TN + FP} \tag{3}$$

4 Results

5 Discussion

6 Conclusions

References

[1] Keith Quille and Susan Bergin. 2019. CS1 : how will they do ? How can we help ? A decade of research and practice research and practice. *Computer Science Education* 29, 2-3 (2019), 254–282. doi:10.1080/08993408.2019.1612679

[2] Keith Quille, Natalie Culligan, and Susan Bergin. 2017. Insights on Gender Differences in CS1: A Multi-institutional, Multi-variate Study.. In *Proceedings of the 2017 ACM Conference on Innovation and Technology in Computer Science Education* (Bologna, Italy) *(ITiCSE '17)*. ACM, New York, NY, USA, 263–268. doi:10.1145/3059009.3059048