

Date of acceptance Grade

Instructor

Machine Learning Strategies in Cribbage

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UNIVERSITY OF HELSINKI
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Tiedekunta — Fakultet — Faculty		Laitos — Institution — Department	
Faculty of Science		Department of Computer Science	
Tekijä — Författare — Author			
Sean R. Lang			
Työn nimi — Arbetets titel — Title			
Machine Learning Strategies in Cribbage			
Oppiaine — Läroämne — Subject			
Computer Science			
Työn laji — Arbetets art — Level		Aika — Datum — Month and year	Sivumäärä — Sidoantal — Number of pages
		October 6, 2017	0 pages + 4 appendices
Tiivistelmä — Referat — Abstract			
ACM Computing Classification System (CCS):			

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ACM Computing Classification System (CCS):

Avainsanat — Nyckelord — Keywords

machine learning, cribbage

Säilytyspaikka — Förvaringsställe — Where deposited

Muita tietoa — övriga uppgifter — Additional information

1 Introduction

I just want to see if unicode characters will appear. Jag måste se om unicode-characterer funger. minä haluan katsoa kirjain öööö.

Generic introductory stuff giving a sentence or probably a paragraph about each of the sections covered.

2 Literature Review

Overview of the current literature surrounding this topic.

- Research done in cribbage
- Research done in related imperfect information games (e.g. poker)
- Overview on expert witness machine learning
- Any other topic that ends up getting used (Bayesian logic, statistics?)

2.1 Prior Cribbage Research

3 Data and Methods

Walk-through of how I went about researching the topic. (Maybe I should keep a diary or log or something so this isn't half made up at the end.) When all is said and done, include the final “output” graph in some easily viewable format (121-by-121 table of miniature bar graphs, RGB combination in each cell?).

- Creation of framework
- Creation of “expert advisor”
- Training method for listener/combiner
- Initializations for training

4 Findings

What are the final results of the “experiment.”

- Where did each initialization family end up going?
- Were they different or did the agent learn a “single” strategy in general?
- All this and more will be answered ...after the break!

5 Discussion

This is the difficult part. What does this part mean? And how does it differ from what I’ve already covered above in the Findings section.

6 Conclusion

Generic closing remarks and rephrasing of the original introduction again in parting. Because this is a thesis and likely fairly long, “In section X, we covered Y” is probably allowed and not tacky.

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