

# The Monroe Plan Corpus: Documentation

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## 1 Introduction

This document describes the Monroe Plan Corpus, a collection of plan sessions generated automatically using an AI Planner. We have used this corpus in training and evaluating our goal recognition algorithms [BA06b, BA06a].

## 2 Files in the Distribution

The distribution contains two files:

- `monroePlanCorpus.pdf`: this document
- `monroe5000.txt`: a file containing the 5000 plans. These are represented in s-expressions in the SHOP2 format.

The modified SHOP2 planner as well as the code used to generate this corpus are also available online.

## 3 Corpus Creation

The methodology for creating this corpus is detailed in [Bla05, BA05].

## References

- [BA05] Nate Blaylock and James Allen. Generating artificial corpora for plan recognition. In Liliana Ardissono, Paul Brna, and Antonija Mitrovic, editors, *User Modeling 2005*, number 3538 in Lecture Notes in Artificial Intelligence, pages 179–188. Springer, Edinburgh, July 24–29 2005.
- [BA06a] Nate Blaylock and James Allen. Fast hierarchical goal schema recognition. In *Proceedings of the Twenty-First National Conference on Artificial Intelligence (AAAI-06)*, pages 796–801, Boston, Massachusetts, July 2006. AAAI Press.
- [BA06b] Nate Blaylock and James Allen. Hierarchical instantiated goal recognition. In *AAAI Workshop on Modeling Others from Observations (MOO-2006)*, pages 8–15, Boston, July 2006. AAAI Technical Report WS-06-13.
- [Bla05] Nathan J. Blaylock. Towards tractable agent-based dialogue. Technical Report 880, University of Rochester, Department of Computer Science, August 2005. PhD thesis.