

Layman's Guide to Egyptology

Lesson 1: Introduction to Egypt and Hieroglyphs



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Montréal, Canada



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Outline



1. SectionI
2. SectionII
3. SectionIII
4. End

Outline



1. SectionI

2. SectionII

3. SectionIII

4. End

1 Section I

FrameX I



Hello

Hey buddy

Hello

Hey buddy

Hello

Hey buddy

Hello

Hey buddy

Hello

Hey buddy

1 Section I

FrameX II



Hello

Hey buddy

Hello

Hey buddy

Hello

Hey buddy

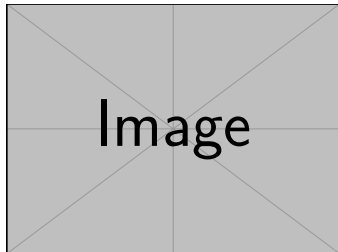
Hello

Hey buddy

hhh

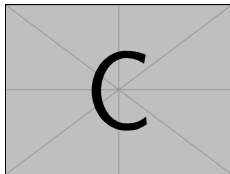
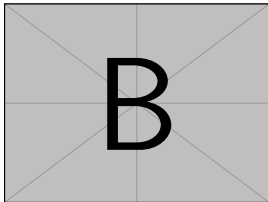
1 Section I

Frame A



Lindsey the robot

Autonomous robot that gives guided tours and information to the public at The Collection Museum in Lincoln.



1 Section I

FrameB



Objectives

1. Learn to improve/adapt the robot social capabilities (its behaviors) from real world experience while interacting with museum visitors.
2. Increase the public engagement level when interacting with the robot.

From: *Lindsey the Tour Guide Robot-Usage Patterns in a Museum Long-Term Deployment*. F Del Duchetto, P Baxter, M Hanheide. *International Conference on Robot & Human Interactive Communication (RO-MAN) 2019*



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2 SectionII

FrameC



Guided tours

Lindsey guides the visitors through a sequence of 5/6 exhibits linked by a common theme, describing each of them verbally and with images.

Go to exhibit and describe

Lindsey guides the visitors to an exhibit chosen from the map and describes its content with two different difficulty levels.

Describe exhibit

The robot gives a short verbal description of the exhibit requested by the visitor.



Petri Net Plans



Conditional plans made of **actions, conditions** and **Execution Rules**.



A PNP can be translated into a stochastic policy.

2 SectionII

FrameE



Table: Long-Term Autonomy metrics.

Days of operation	103 days
Total distance travelled	299 km
Total tasks completed	8423
TLS	26 days, 11 hours
A%	74%

Table: Number of user demanded tasks with their duration.

Task	Tot. demanded	Average duration	Median duration	Shortest	Longest
<i>Guided tour</i>	2367	4.52 [min]	3.13 [min]	11 [sec]	22.15 [min]
<i>Go to exhibit and describe</i>	2379	1.87 [min]	1.84 [min]	8 [sec]	30.79 [min]
<i>Describe exhibit</i>	486	26.73 [sec]	20.03 [sec]	7.31 [sec]	5.78 [min]

2 SectionII

FrameF



Engaged by the robot?

Engagement is easily started with Lindsey, but it is typically lost after 2 minutes.

How does a tour guide engage the public?

- ▶ tours should not resemble monolithic lectures but they must be **interactive**;
- ▶ guides should facilitate **audience contribution** through questions and answers;



Outline

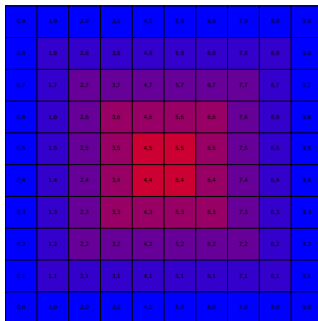
1. SectionI
2. SectionII
3. SectionIII
4. End

3 Section III

FrameG



Nunc sed pede. Praesent vitae lectus. Praesent neque justo, vehicula eget, interdum id, facilis et, nibh. Phasellus at purus et libero lacinia dictum. Fusce aliquet. Nulla eu ante placerat leo semper dictum. Mauris metus. Curabitur lobortis. Curabitur sollicitudin hendrerit nunc. Donec ultrices lacus id ipsum.



Outline



1. SectionI
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4 *End*

Thank you very much!



I love you ❤️