- Mental simulation of routes during navigation involves adaptive temporal compression
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MIDTERM: ROUTES OF MENTAL SIMULATION

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Abstract

(???) is an experiment to exmaine the temporal and spatial aspects of memory through the use of virtual simulations. Specifically, in the following experiment,, to examined whether their is a relationship between mental simulations and the ability to navigate the fastest route.

16 Keywords: keywords

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Mental simulation of routes during navigation involves adaptive temporal compression

## 19 Methods

## 20 Participants

Twenty-eight participants were used with two participants being excluded for responding with mean reaction times of less than 1 second and failure to complete the simulation phase due to sickness.

#### 24 Material

### 25 Procedure

Participants were navigated through a virtual city. First they were shown landmarks, ask to locate them, and then find the shortest path to the landmarks.

## 28 Data analysis

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We used R (Version 3.5.2; ???) for all our analyses.

Results

# Power Analysis

### Discussion

The analysis failed to replicate the results of (???). This is believed to be a result of trouble identifying the conditions (groups slow, medium, and fast movement groups) from

35 the dataset.

36 References

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