

Projected Hill Map

Between Virtual Reality and Physical Models

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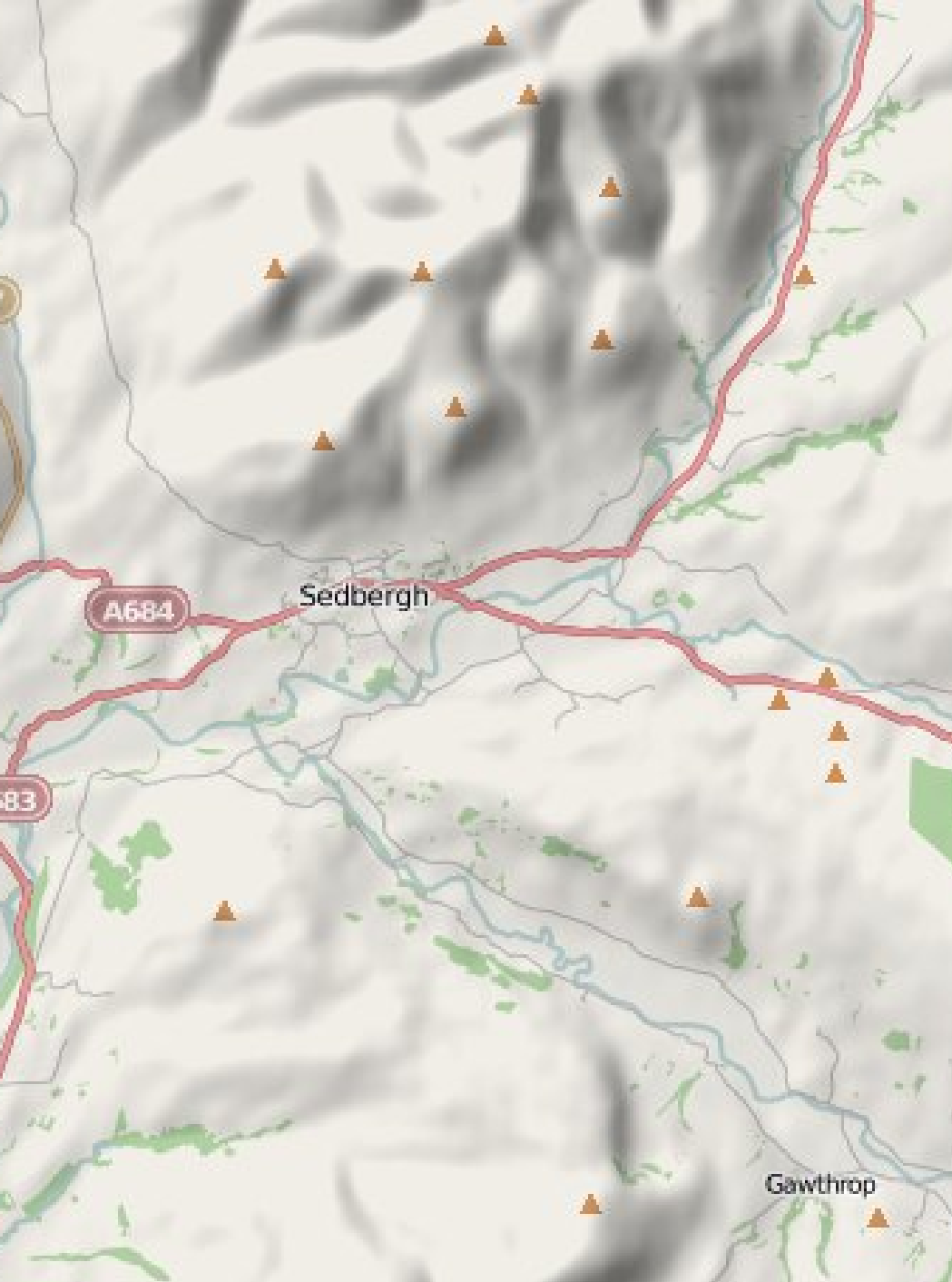
University of Durham





Bottom of Cardiac Hill
Up the road from the station
Near the hill colleges

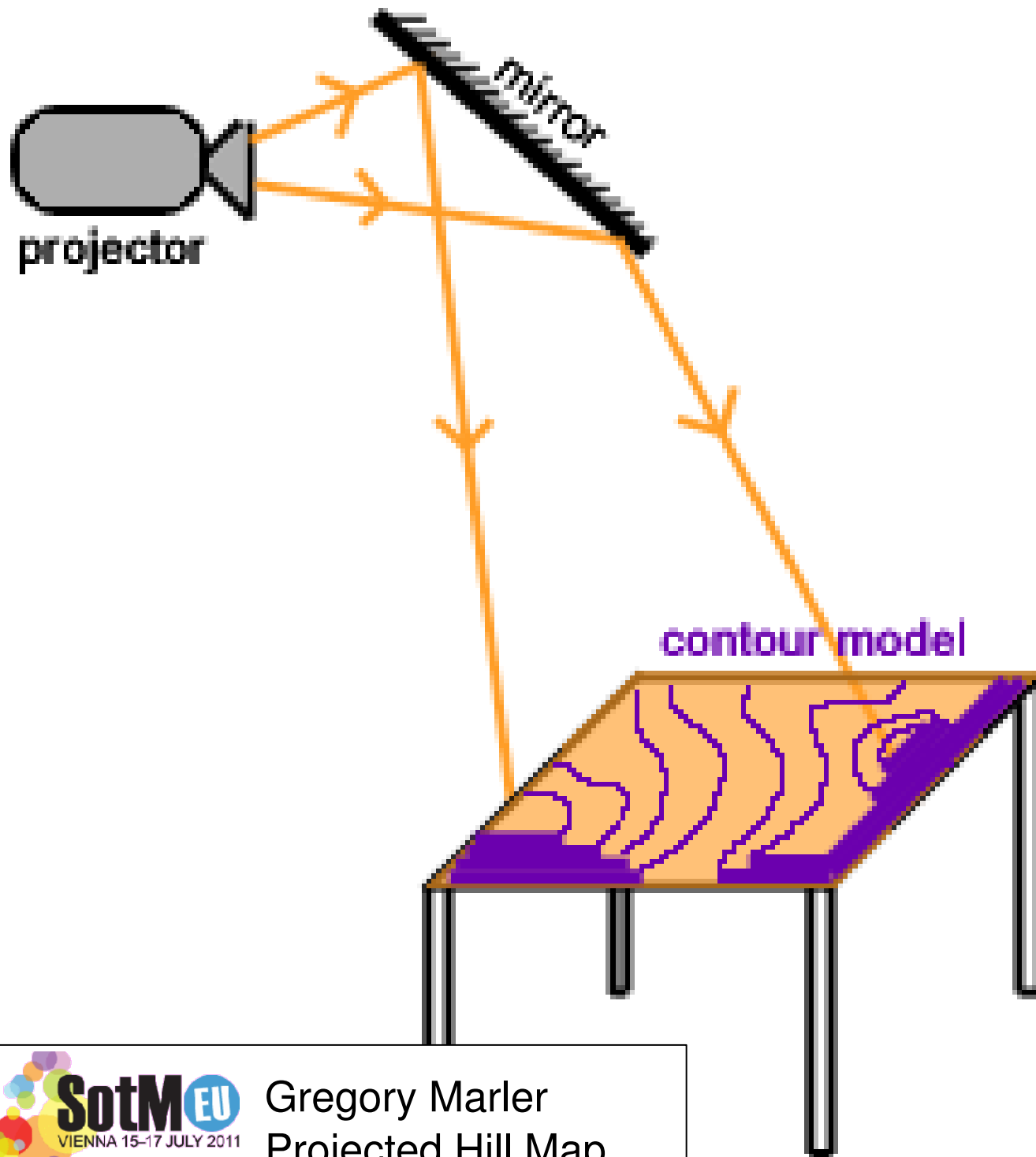
Where am I?











Project Hill Map Control Panel

Simple

Pre-Set: 1 2
Set A: 1 2 3 4
Set C: 1 2 3 4

Set B: 1 2 3 4
Set D: 1 2 3 4

Advanced

Blank (white)	colour	V	^ / V	set as background
Place Names	colour	V	^ V	hide
Footways	colour	V	^ V	show
Colleges	colour	V	^ V	hide
Carparks	colour	V	^ V	show
Buildings	colour	V	^ V	show
Churches	colour	V	^ V	show

Setup

N
W pan E
S

^
< shift >
V

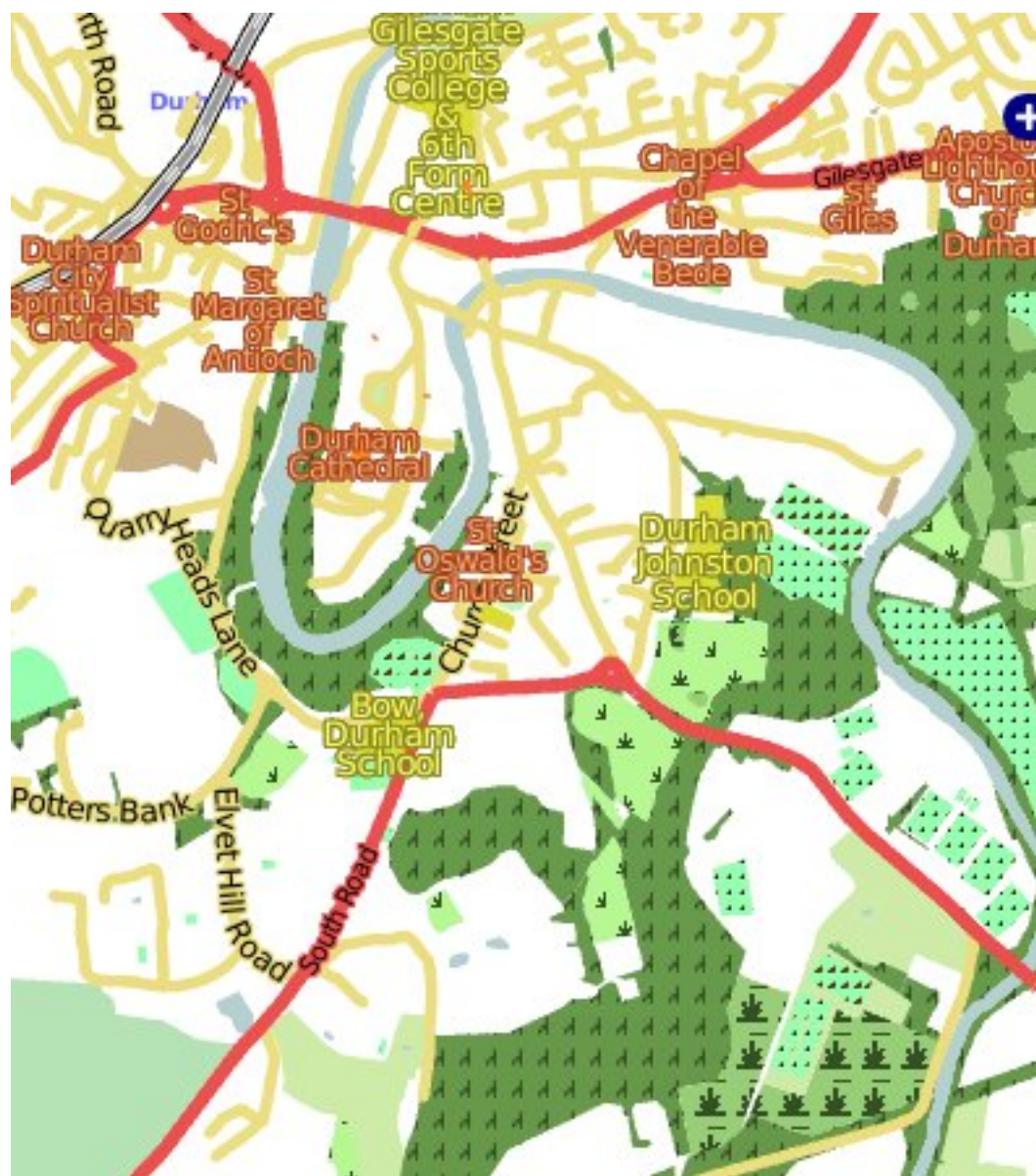
<--->
--X--

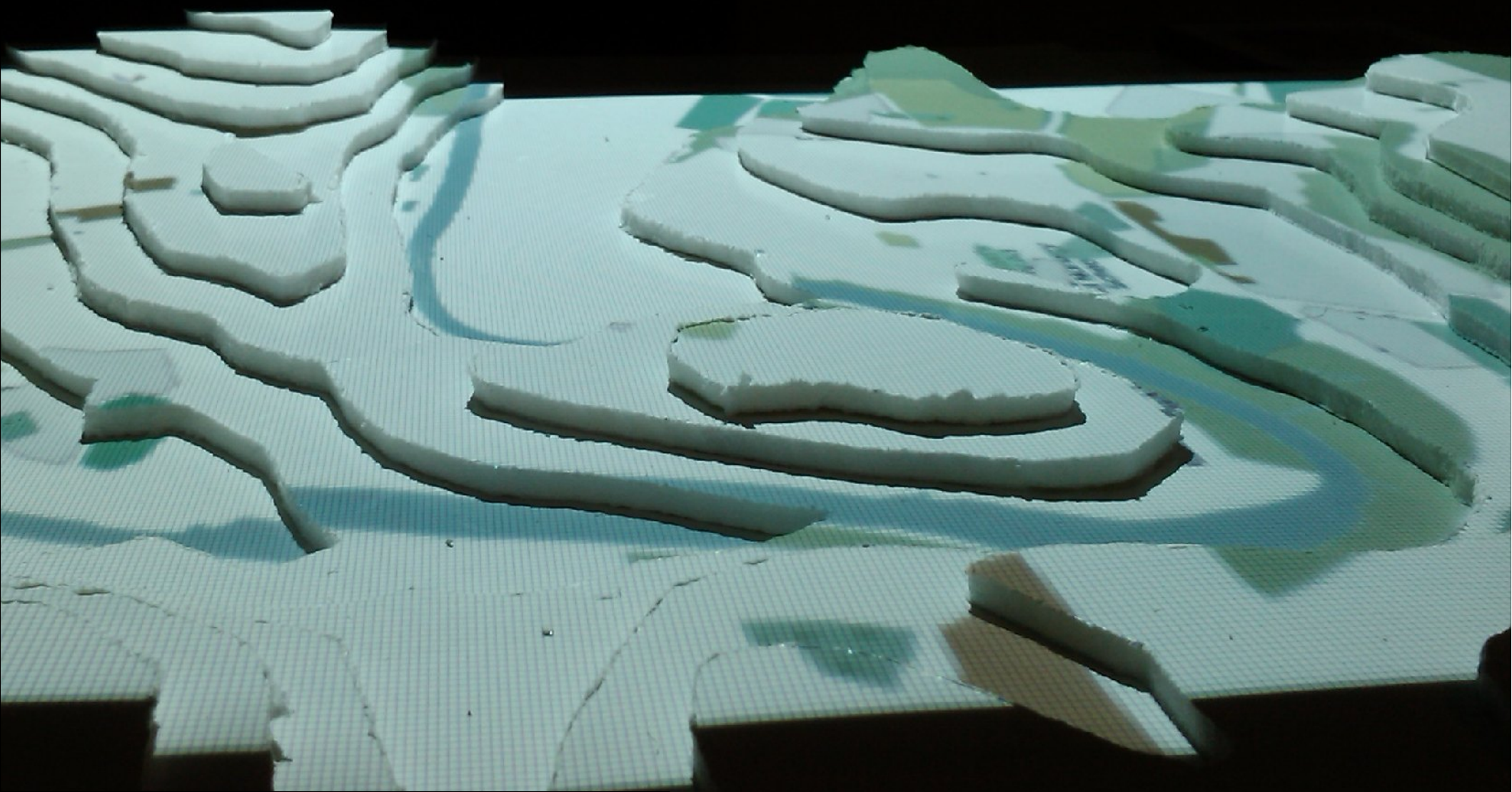
^ |
| V
| ^
V |

ham

single screen

house





Gregory Marler
Projected Hill Map

4 Where is good Durham do you live

2 Where are you now?

Where are
you now?

Where are
you now?

Where would be

How many hills are there?

Plan a route to walk from the cathedral to the railway station

What route did

College

limited money, want

of flooding?

where would you
the sunset?

Plan a

What can we

see

How many churches can we fit in it?

When it snows,
where would be good
for sledging?

Plan a nice route from

Question
Pack

Groups used
with model

Groups used
without model

A

2

0

B

2

1

C

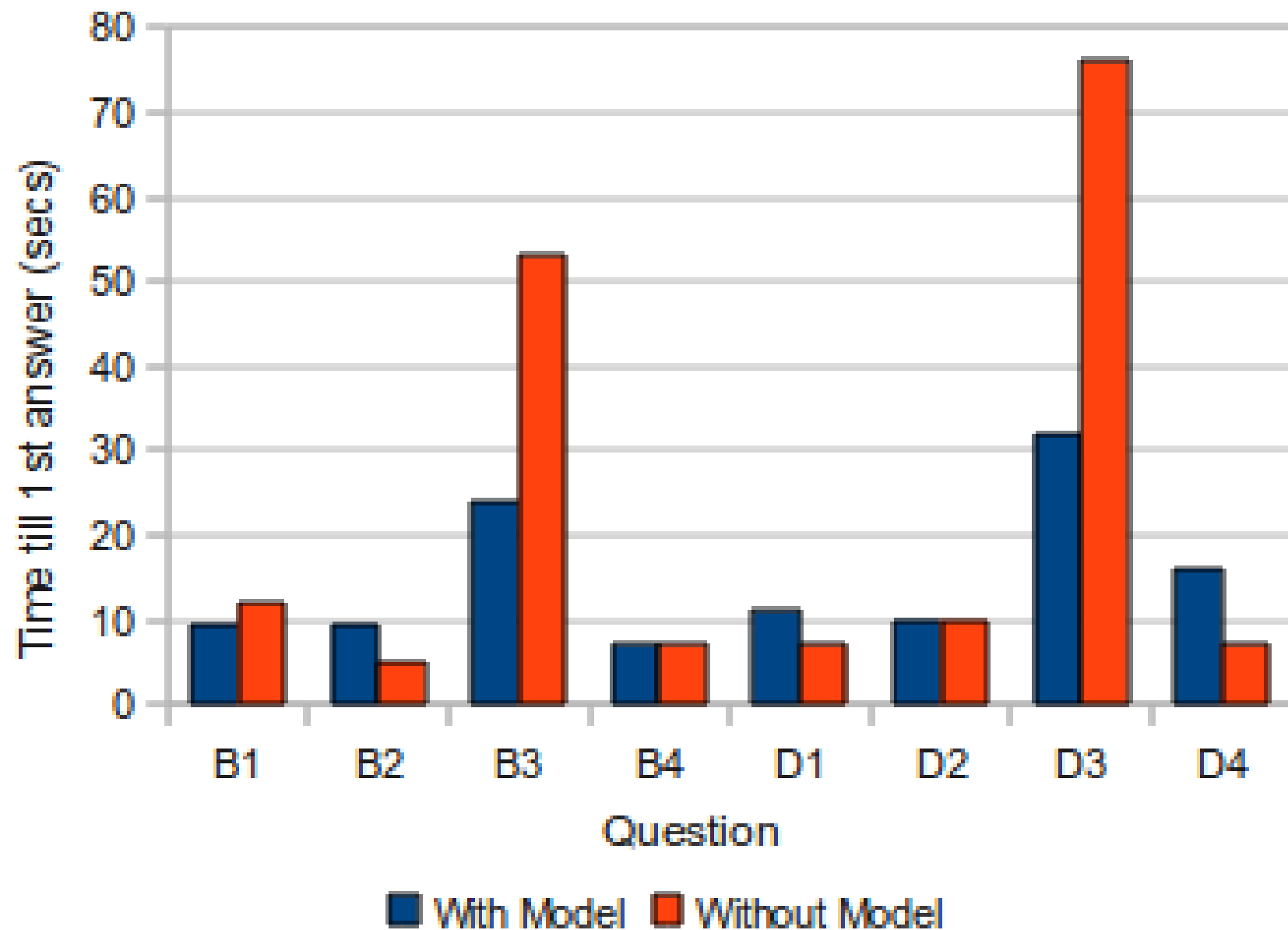
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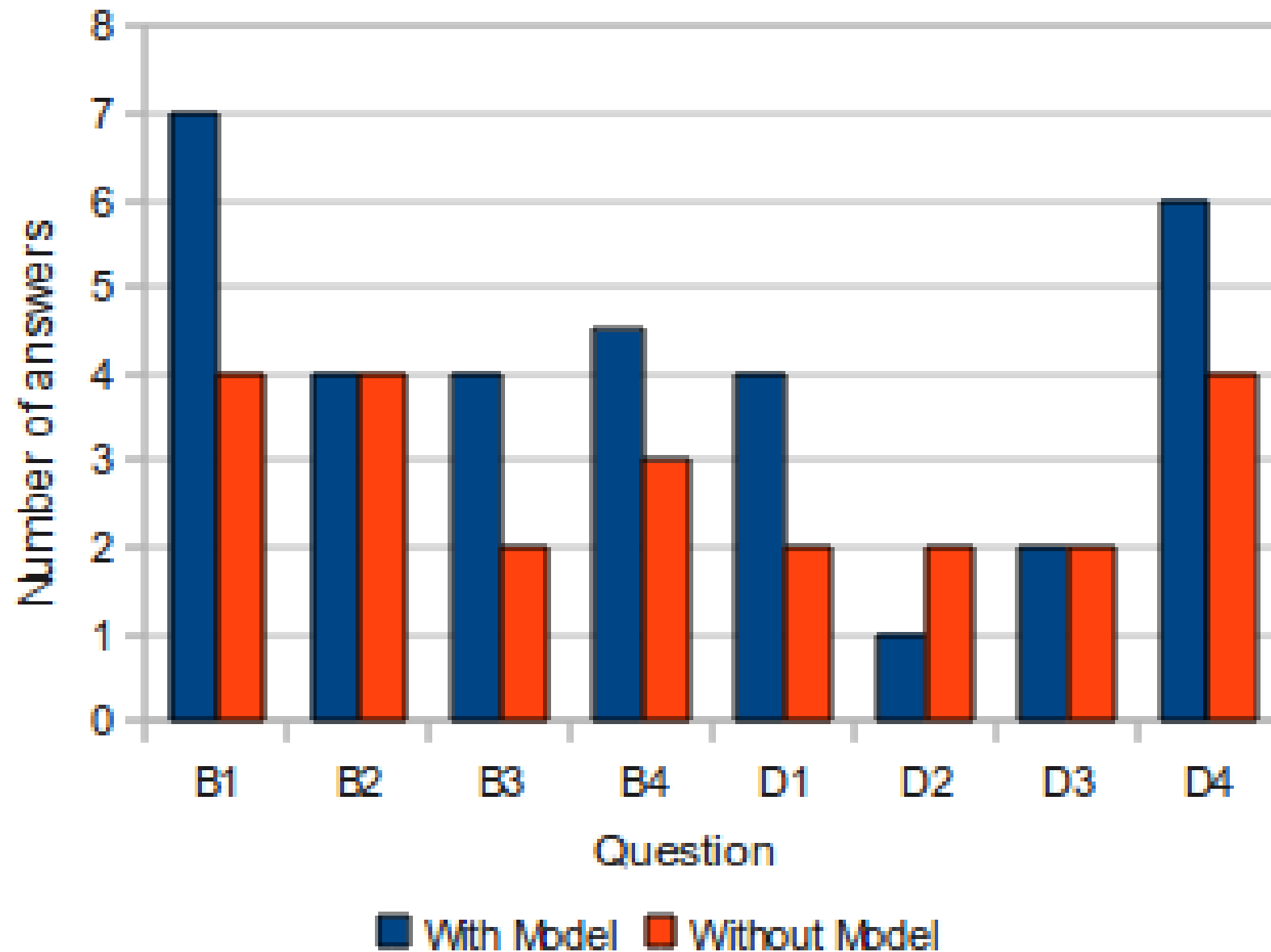
3

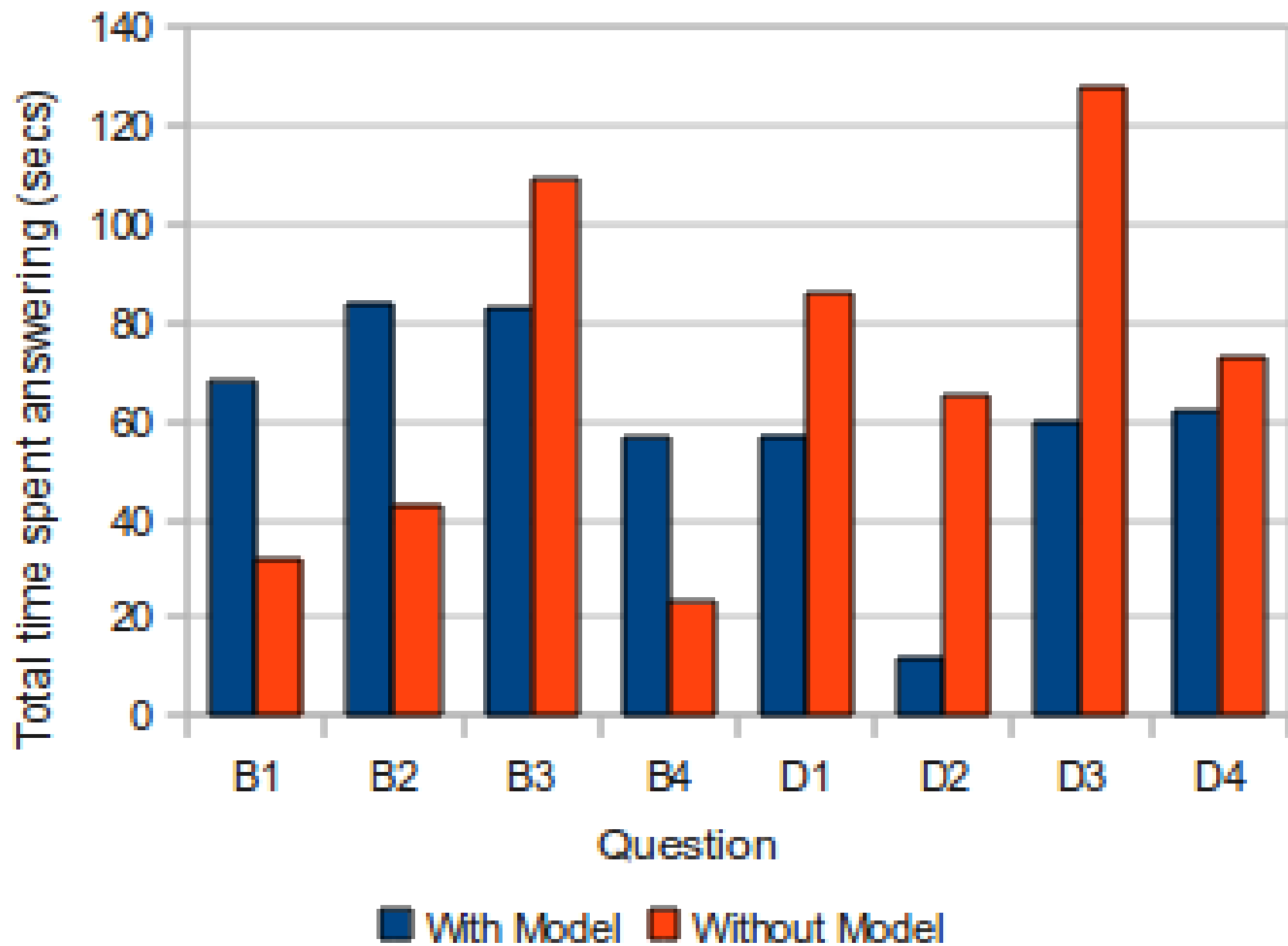
D

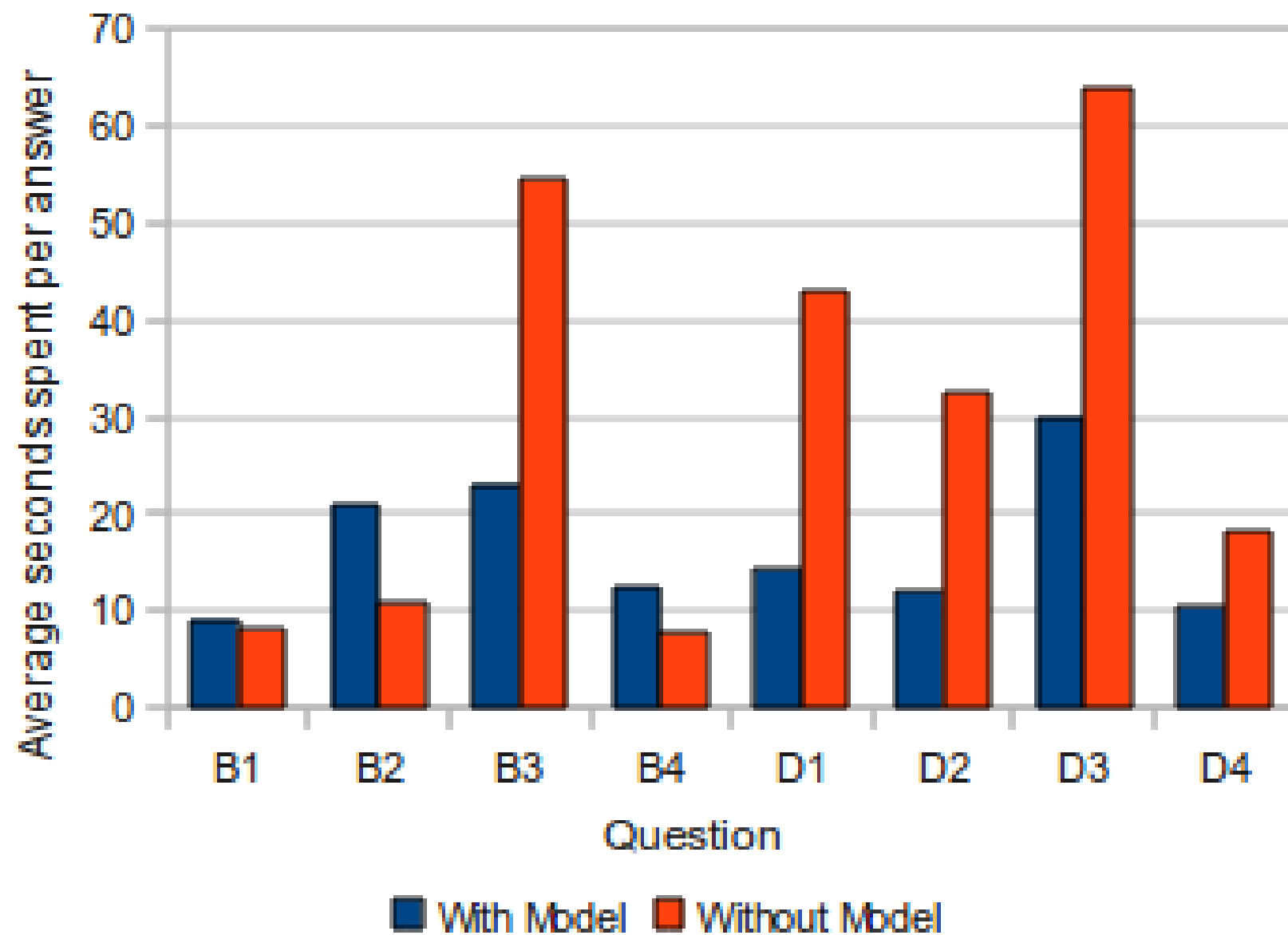
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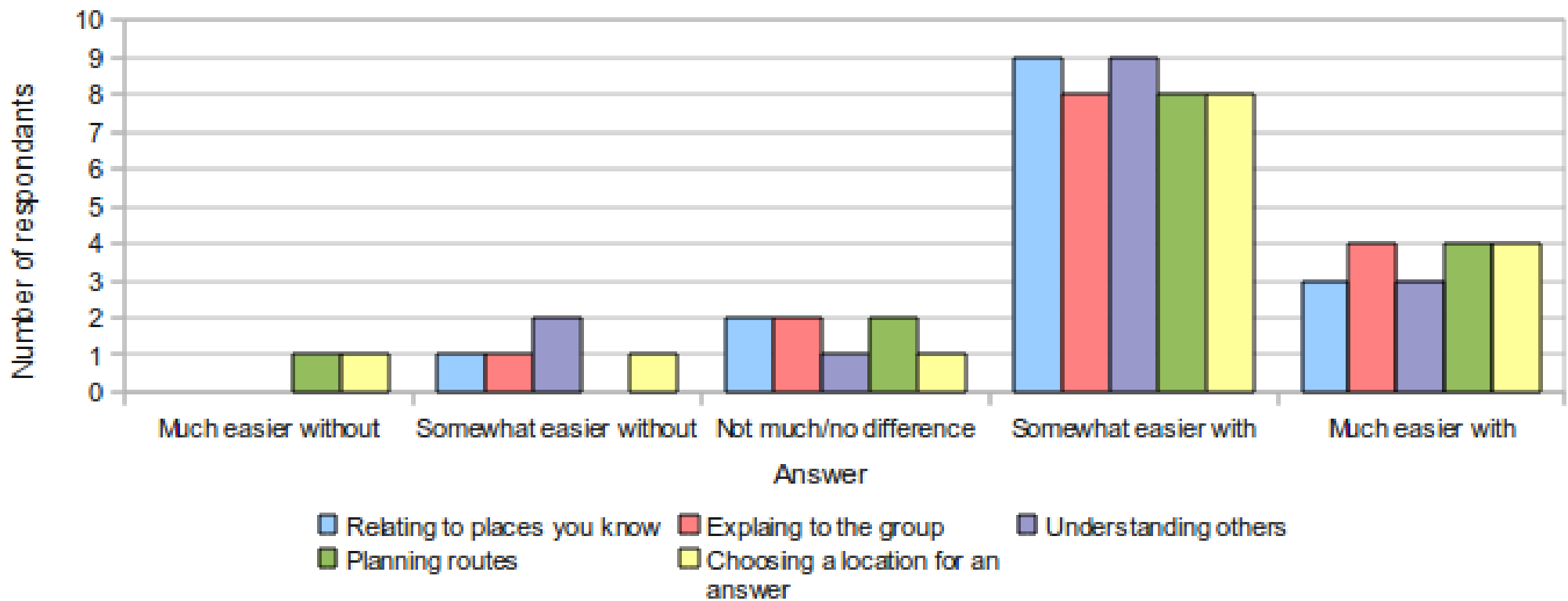
1







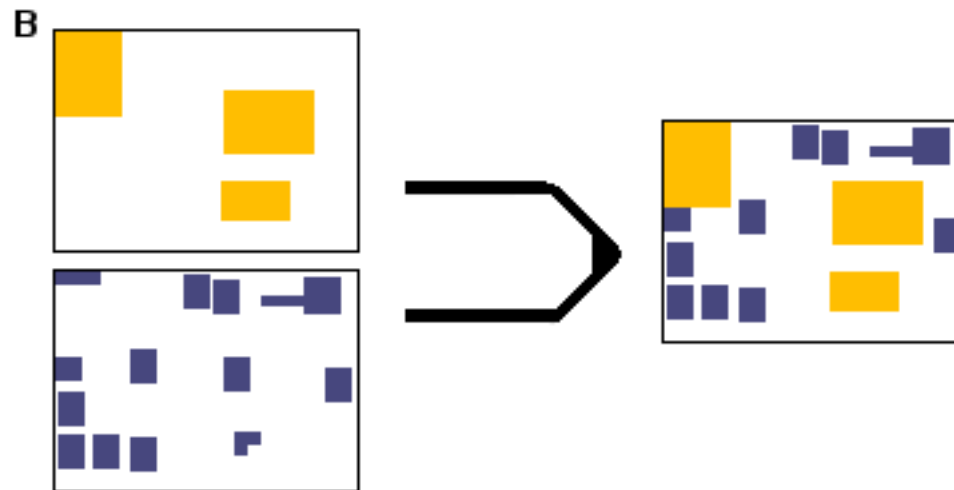
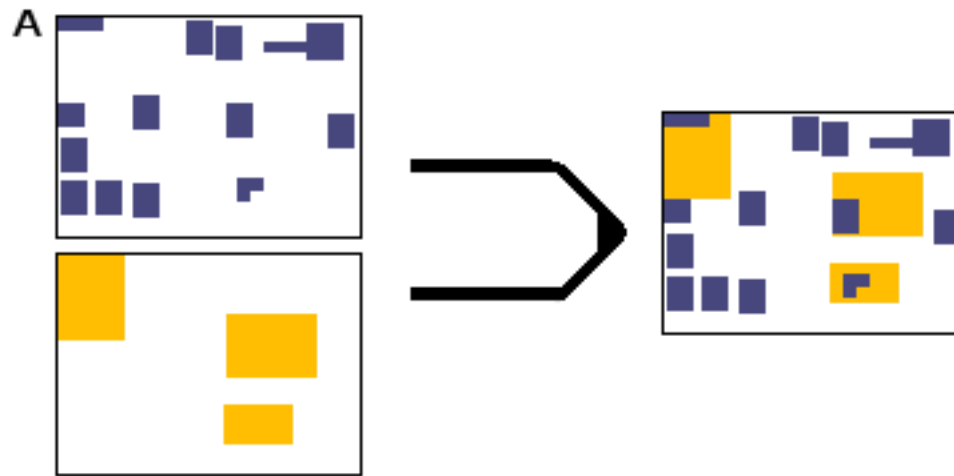






Group Work
Touching & Pointing
Planning & Discussing Route
Overall Picture
Answers Considered

Time getting 1st answer
Places they had been
Overall time
Open to imagination
Comparable to 2D maps



Interaction Interfaces





Intro slide - <http://www.flickr.com/photos/johnspooner/315927104/>
Where Am I - <http://www.flickr.com/photos/clara/2278590841/>
Virtual Reality - <http://www.flickr.com/photos/signalstation/2286272975/>
iPad - <http://www.flickr.com/photos/earlysound/4490601295/>
Library books - <http://www.flickr.com/photos/pvtinc-design/5672734354/>
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Participatory GIS - http://iapad.org/applications/protected_areas/

Flat Maps - Rath's Weltverkehrsglobus in the Globe Museum, Vienna
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