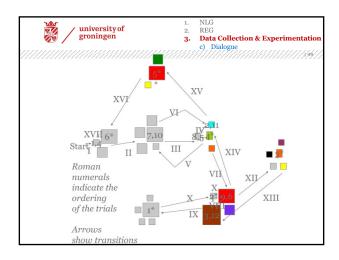
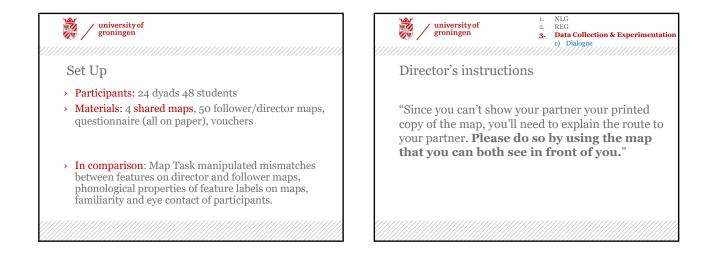
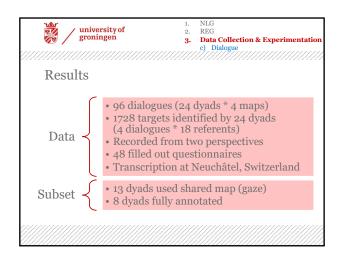


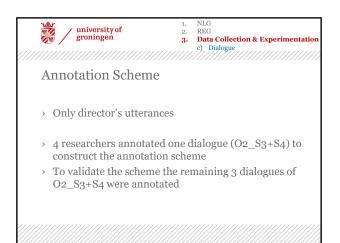
 	en ////////	c) Dialo	
TARGET	FOCUS	PRIOR REFERENCE	ATTRIBUTES
1	NEAR	NEW	SIZE
2	NEAR	NEW	COLOUR
3	NEAR	NEW	BOTH
4	NEAR	OLD	SIZE
5	NEAR	OLD	COLOUR
6	NEAR	OLD	BOTH
7	FAR	NEW	SIZE
8	FAR	NEW	COLOUR
9	FAR	NEW	BOTH
10	FAR	OLD	SIZE
	FAR	.OLD	COLOUR
		الوالو الوالو الوالو الوالو الوالو الوالو الوالو الوالو الوالو	



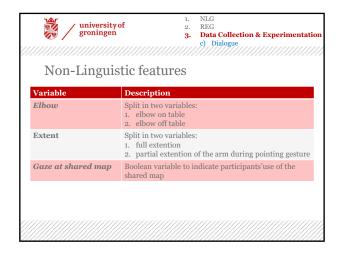




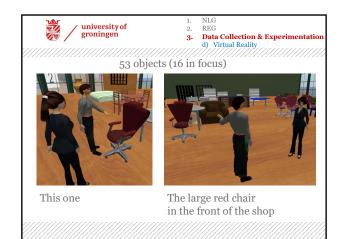
🥳 / g			c) Dialo	llection & Experimentation gue	
Examp	ole dia	alogu	e c	017_\$33_\$34	
	Turn	Speaker	Utterance	Gesture	
ĺ	128	D	Uh and if you go straight up from that you've got five blue ones	Director points at the map and moves his finger upwards	
18	129	F	Yeah [there?]	D is still pointing, F points	
Stations_	130	D	[There] yeah	D is still pointing F is still pointing	
= stages of the	131	F	one two three four five	D is still pointing F is still pointing	
	132	D	Yeah. They're all number three	D is still pointing	
itinerary	133	F	Right. Right.		
on a map	134	D	And the five reds just to the right over	D points and moves his finger to the right	
<u>۲</u>	135	F	And like a kind of downwards arrow	D is still pointing, <u>F moves his</u> hand upwards D stops pointing	
) لــــــــــــــــــــــــــــــــــــ	136	D	Arrow yeah they're all number four. Number five. Uh and five is paired with one with these ones.	D points	
	137	E////	All right		

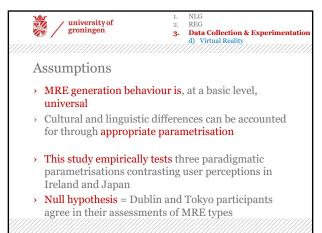


× /	university of Linguistic features
Variable	Description
Verbal effort	Total number of words
Relative position	Mention of target position relative to landmark (<i>The blue square just below the red square</i>)
Absolute position	Mention of target position using absolute locative frame of reference (<i>The blue circle</i> down at the bottom)
RE frequency on path	Number of references to non-targets (<i>And you're going to go east to the first tiny square</i> , <i>past the blue one</i> .)
Size	Mention of size of target
Shape	Mention of shape of target
Color	Mention of colour of target
Deixis	Any deictic expression to the target
Identity	Statement of identity between current and later or previous target (<i>The red square</i> , the same one we saw at number 5 .)
Directions	Direction giving (<i>Take a right, go across and straight down</i> .)



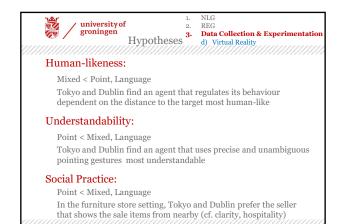




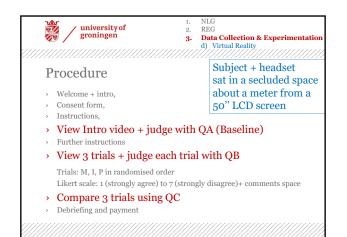


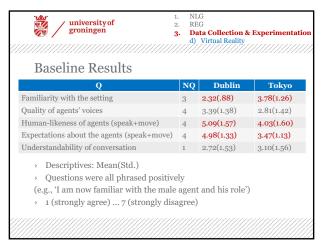






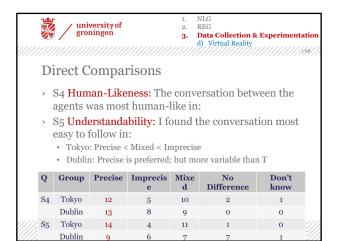
	Dublin	Tokyo
ender	15 M, 15 F	15 M, 15 F
.ge	21.13 (std. 1.83)	22.07 (std. 1.99)
am familiar with VR		10 'yes', 20 'no'
visit SL regularly	None	4 'yes', 26 'no'
like SL	24 'don't know', 5 'no', 1 'yes'	22 'don't know', 7 'no', 1 'yes'





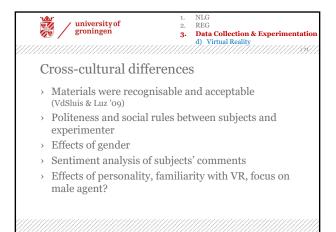
	🦉 / uni gro	versity of ningen		1. NLG 2. REG 3. Data Col d) Virtua		perimentation
	Human	-likenes	S			
	 > T-test to o > S1: The m • Betwee • Tokyo Dublin 	on Baseline a ale agent sp en groups (F(1 found the age	Precise, Impr answers: no s oke in a hum (;58) = 12.44 p nt's manner o	ignificant re an-like man < .001) f speaking mo	i ner. ore human-lik	te than
		en groups (F(1	oved in a hur 1,58) = 29.03 p iffered in their	0 < .001)	nner.	
	Precise		Imprecise		Mixed	
	Tokyo	Dublin	Tokyo	Dublin	Tokyo	Dublin
S1	3.37 (1.65)	5.30(1.29)	3.53(1.28)	4.57(1.61)	4.00(1.37)	4.40(1.65)
S2	3.39 (1.29)	5.57(1.41)	4.07(1.20)	4.60(1.57)	3.77(1.36)	5.67(1.49)

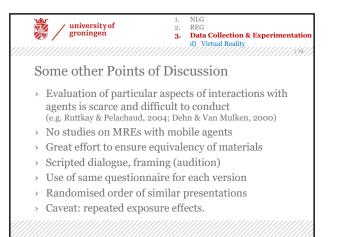
	gront	ersity of ingen	1. 2. 3.	NLG REG Data Colle d) Virtual I		erimentation
U > > >	T-test to or S3: It was a	andabilit s: Precise < M 1 Baseline and always clear t g roups: (F(1)	lixed, Impreo swers: no sig o me which i	nificant res tem was un	der discussi	on.
> >	Within gro Dublin p Tokyo p Interactio	found the prese oups: $(F(1;5))$ preferred the p referred the m n: $(F(1;58))$ groups the pr	8)=8:59; p< recise present ixed presentat = 11:92; p <	2.005) ation ion .002)		kyo
	Precise Tokyo	Dublin	Imprecise Tokyo	Dublin	Mixed Tokyo	Dublin
53	2.30 (1.24)	1.43 (.57)	3.17(1.51)	2.50(1.76)	2.20(1.22)	2.20(1.16)



9 88 (///	gr gr	viversity of oningen		2. 3.	NLG REG Data Collection & d) Virtual Reality	& Experimenta	atio
S	ocial I	Practic	е				
>	<i></i>		ecise < M		1		
>	agent f	rom:		ouia pi	refer to deal v	with the	
>	agent f • Dub	rom: olin: Prec	cise	*	l than Dublir		
> Q	agent f • Dub	rom: olin: Prec	cise ed, more c	livided			
	agent f • Dub • Tok	rom: lin: Preo yo: Mixe	cise ed, more c Imprecis	livided	l than Dublir No	l Don't	

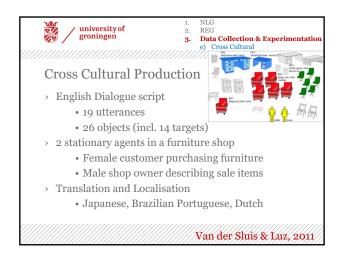


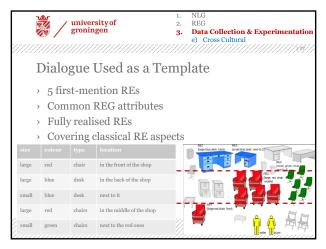


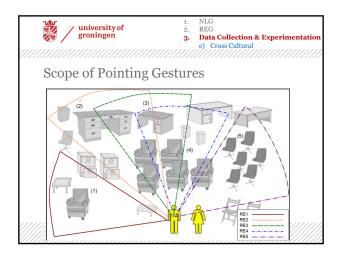


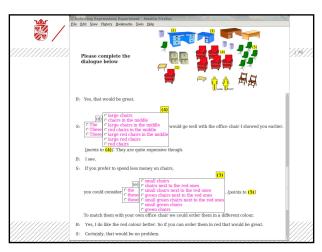


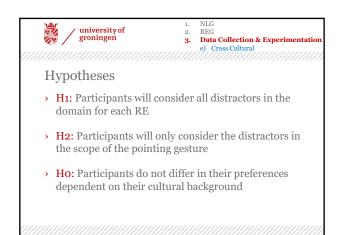


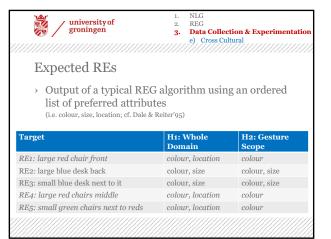












	5		versi ninge			Des	script	ives (Corpus	1190 MR	E
	2 Pa	rticipants	N	Female	M	ale	Age (2	20-30)	Student	REs	82/
	Ja	panese	54	26%(14)	749	%(40	57%	(28)	57%(31)) 270	
	Er	nglish	91	60%(55)	40%	6(36)	52%	2%(40) 52%) 455	
	Pc	rtuguese	42	60%(25)	40%	6(17)	71%	(12)	71%(30)) 210	
	Du	utch	51	55%(28)	45%	6(23)	33%	6(2)	22%(11)) 255	
										1190	
н	L	RE1	x	RE2		R	E3	R	E4	RE5	
H1	J	J 42.6%(23	(23)	20.4%(11)	7.4	%(4)	46.3	%(25)	48.1%(2	26
	Е	7.79	%(7)	17.6%(16)	1.1	%(1)	11.	1%(10)	14.3%(13
	Ρ	26.2%	(11)	11.9%	o(5)	11.9	%(5)	33.3%(14)		38.1%(16	16
	D	15.79	%(8)	17.6%(9)		2	2%(1) 1		.8%(6)	17.6%	(9
H2	J	5.69	%(3)	20.4%(11)	7.4	%(4)	24.	1%(13)	7.4%	(4
	Е	31.9%	(29)	17.6%(16)	1.1	%(1)	35.2	%(32)	16.5(15
	Ρ	28.6%	(12)	11.9%	o(5)	11.9	%(5)	28.	5%(12)	26.2%(11
		43.1%	June 199	17.6%			%(1)		%(22)	11.8%	

