









 Expected utility of autom assume an agent can infer likelihood of the user's goat given the observed evidential 	nated action p(G E) Il being G ce E	1	
and decide whether to tak have in achieving the desire	e action A, ba ed goal G rat	ased on the un her than othe	tility that this action would er possible outcomes (not-G)
]	Desired Goal	Not Desired	
Action	u(A,G)	$u(A,\neg G)$	
No Action	$u(\neg A, G)$	$u(\neg A, \neg G)$	
		1	



































Developing a research agenda

- An implicit metric to measure peoples' experience of agency.
- Two experiments that apply this metric in HCI contexts.





























Experiment 2

Intelligent interfaces:

What happens when a computer helps out?













Predictable rhythms produce intentional binding: CA < CR < UC < UR Predictable rhythms give sense of control: CA < CR < UC < UR Predictable rhythms reduce task stress (NASA TLX scales) CA > CR > UC > UR Predictable rhythms increase confidence of task success (NASA TLX scales) CA < CR < UC < UR







47	
47	

VO	ICES	ABOUT	WHAT WE DO	PROJECTS	CONTACT	IDEA
	Data receipt a	and cod	ling			
imagine y	rou are a researcher at Africa's Voices Foundation and you have re	ceived text m	nessage responses f	rom radio show	listeners in Som	alia. You
s to label	these data based on some of the emerging themes.					
abel these	e data using a programme called CODA that uses artificial intellige	ence not to a	utomate data analys	sis but to augme	nt human ability	to make
e of large	sets of data.					
	Have a go at labelling som	ne of the	<mark>messages.</mark> 🕻			
oda v2	Have a go at labelling som	age oded	<mark>messages.</mark> €		Keer	n Wombat
oda v2	Have a go at labelling som Code by scheme message Continuous sorting	age oded	messages.		Keer	n Wombat
oda v2 Seq ↓	Have a go at labelling som	age oded	messages.	Reas	Keer	n Wombat
oda v2 Seq ↓	Have a go at labelling som	ne of the age oded	res No Scheme-026f0a6f4	Reas	Keer on	
oda v2 Seq ↓ 51	Have a go at labelling som Code by scheme message Continuous sorting Vert p Message yes i'm at risk due to bad weather	ne of the age oded	resjNo	Feas	Keer on	n Wombat
oda v2 Seq ↓ 51 52	Have a go at labelling som	age oded	resiNo Scheme-026f0a6f4	Reas	on J Scheme-38c75cbf1a	n Wombat
oda v2 Seq I 51 52 53	Message Continuous sorting I Next p Message yes I'm at risk due to bad weather yes, family at risk because we don't have clean water yes, we live in an overcrowded camp yes	age oded	resiNo	Reas	Keer on Scheme-38c75cbf1al	n Wombat
Seq Image:	Have a go at labelling som	age oded	resiNo	Reas	Keer	n Womba:











		User judgement of the label		
	ſ	Wrong	Correct	
Accuracy of system	cy Wrong 211 / 215 / 216 / 2	211 / 215 / 216 / 215	14 / 10 / 9 / 10	
abel Correct	3 / 8 / 3 10	222 / 217 / 222 / 215		
	Totals	214 / 223 / 219 / 225	236 / 227 / 231 / 225	