

Corti

Augmenting human intelligence

Technical dream team

We spent a year looking for a
meaningful way to apply
Conversation Technology



Imperial College
London



The most important call

Emergency dispatchers help us on
the worst day of our life.

FIRE	Stat	Time	T	Gr
10RIT	AIQ	19:11	10F	1
12FP	ON	10:32	12F	1
12RIT	ON	06:08	12F	1
13RIT	INSV	18:45	13F	1
14FP	ON	10:32	14F	1
14RIT	ON	06:37	14F	1
17FP	ON	10:33	17F	1
17RIT	ON	06:08	17F	1
24FP	ON	10:34	24F	2
24RIT	INSV	14:42	24F	2
324	INSV	08:24	DFC	3
325	AIQ	18:12	AFC	3
32E11	INSV	06:54	32E	3
32E11X	INSV	07:44	32E	3
32E12	INSV	10:35	32E	3
32E13	AIQ	17:55	32E	3
32E3	P	15:03	32E	3
32E6	P	15:03	32E	3
32E8	INSV	12:32	32E	3
32T1	UIQ	13:39	32L	3
32T2	AIQ	13:36	32L	3
32WR1	AIQ	07:49	SWR	3
36FP	ON	10:15	36F	3
36RIT	ON	10:15	36F	3
40FP	ON	10:35	40F	4

Waiting...

Cancel

List

No New Mail

System Monitor

TERM: 1 JESSICA

Rev 6.0.0.60

03/09/09 08:07:45

Active 3 3

10

SEQ	YEAR	UNIT	CREATED	S*	EVENT	LOCATION	TELEPHONE	SRC	F	L	R	E	P	N	STAT
001	2009	00010861	13:47:38	00	DOM	1900 KEYSTONE DR / WAL	814.864.7330	N9C		*					N

CAD Incident Form

Jurisdiction

Name

ENEWOLD,JES

Event

ProQA for Medical (3.4.3.14)

File View Spec Logs Options Tabs Additional Information Version About ProQA



:21

Entry | KQ | PDI/CEI | DLS | Summary

The location is: 5741 BUFFALO RD

The phone number is: 814-899-6255

The problem is: chest pain

With the patient now: Yes

The number of hurt (sick) is: 1

The patient's age is: 66 year(s)

The patient's gender is: Female

Is she awake (conscious)? Yes

Is she breathing? Yes

Hasn't checked: Ask, "You go check and tell me what you find."
Uncertain: a 2nd party caller who is unsure. **Unknown:** a 3rd or 4th party caller who doesn't know. Select **INEFFECTIVE** when unconscious and breathing is irregular or very slow, or **AGONAL** when the time between

Disp

Too many pizza ordering apps?

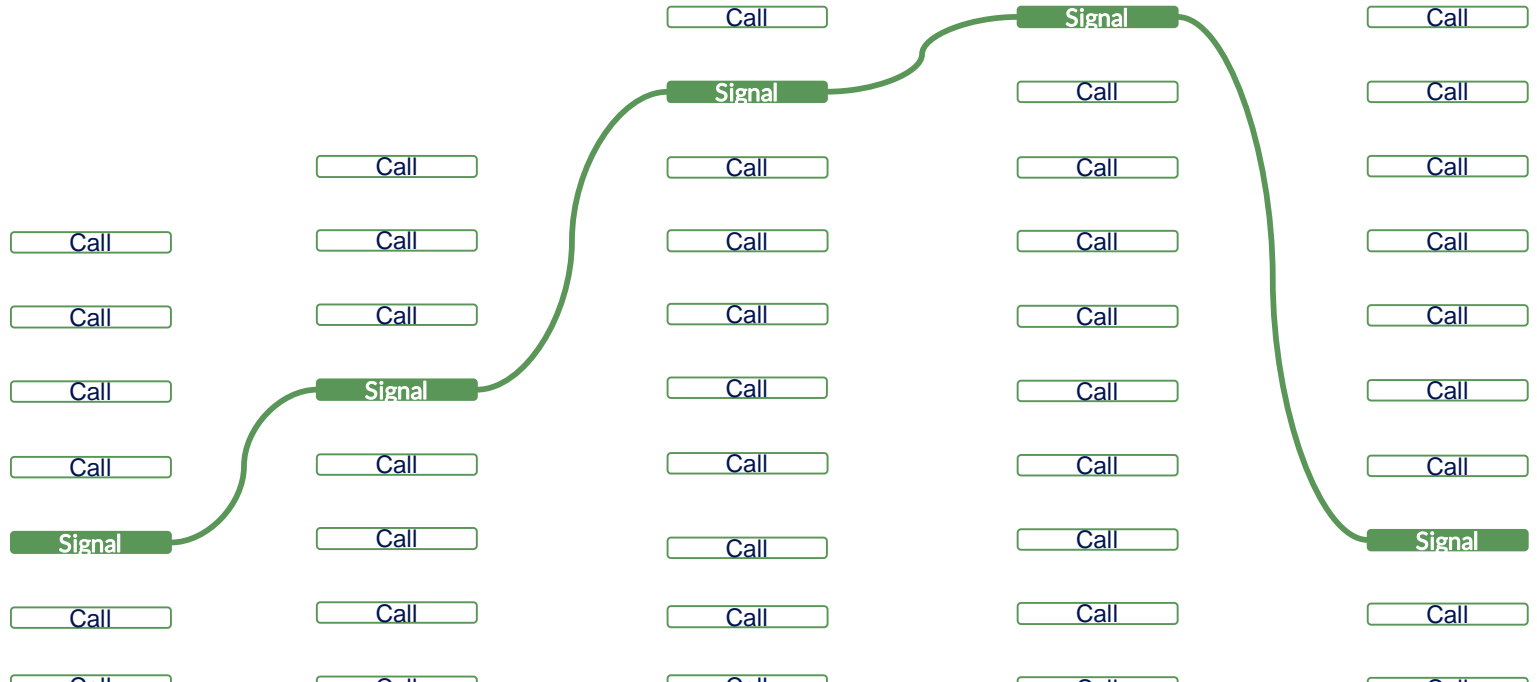
With all of today's
technology, why have
we not fixed these kinds
of problems?

Artificial Intelligence

Could we augment emergency calls
with artificial intelligence?

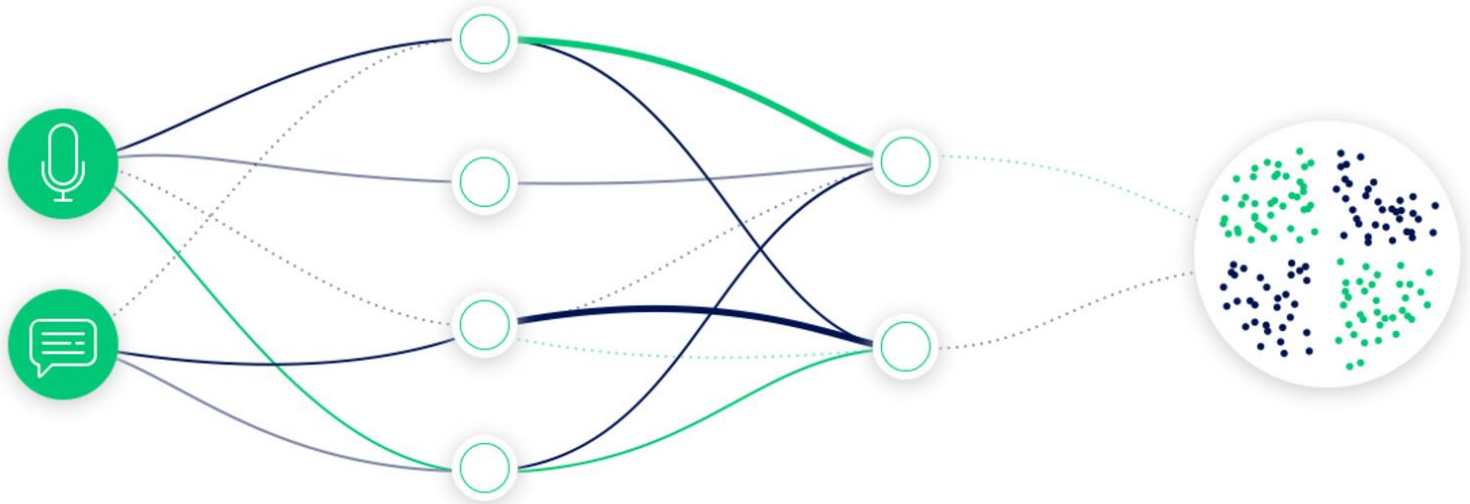
Using the past to build the future

Every call has it's own story



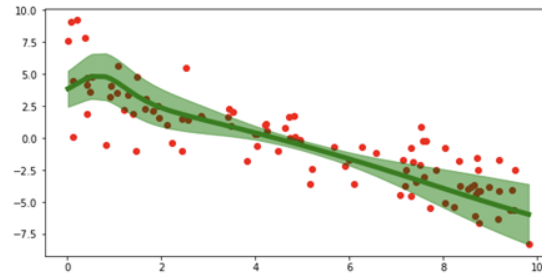
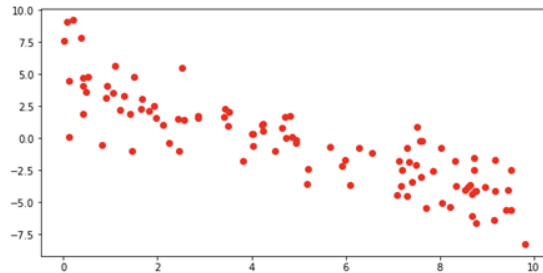
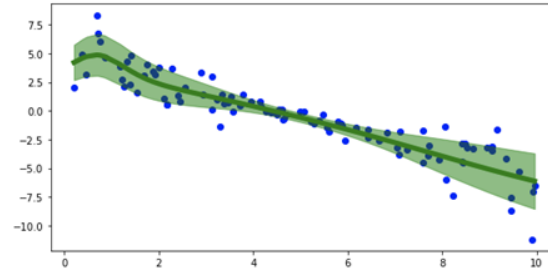
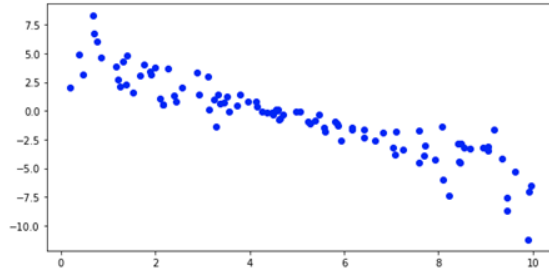
Augmenting Live Conversations

We validate information in the background of conversations



Assisting the dispatcher

Could artificial intelligence help detect sudden cardiac arrest?





Every year,

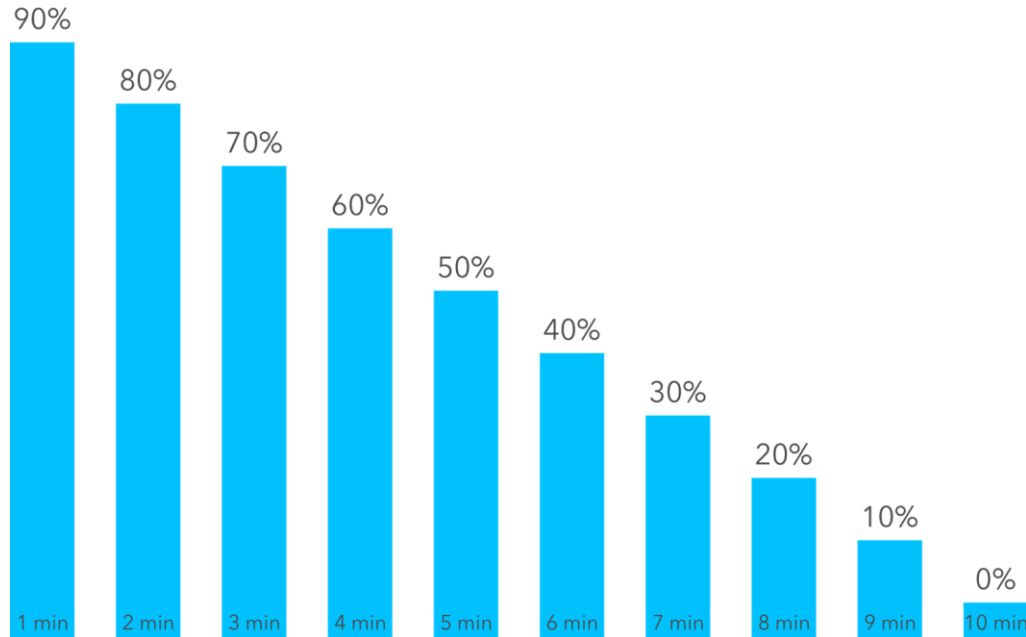
17,3 million people
are killed by a
sudden cardiac arrest

Sudden Cardiac Arrest

~10% chance of survival
in cities like New York, Paris,
and Washington DC.

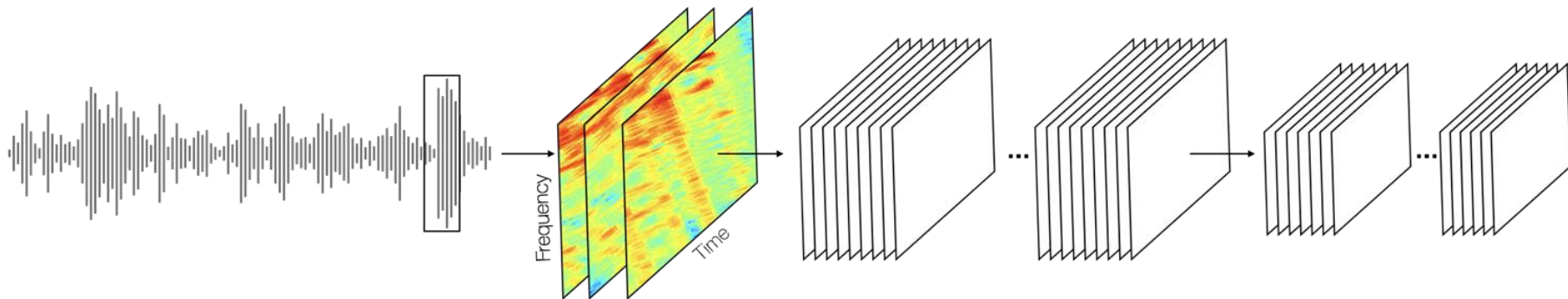
The first 10 minutes can = 🦴

Each minute costs 10%.



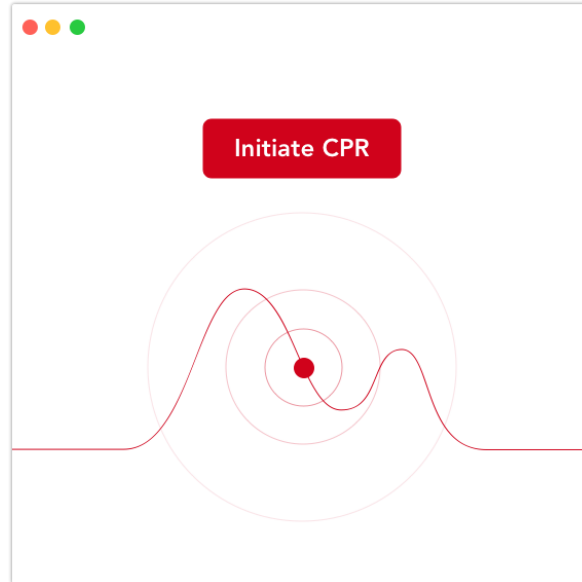
70x faster than real-time

End-to-end speech-based classification platform.

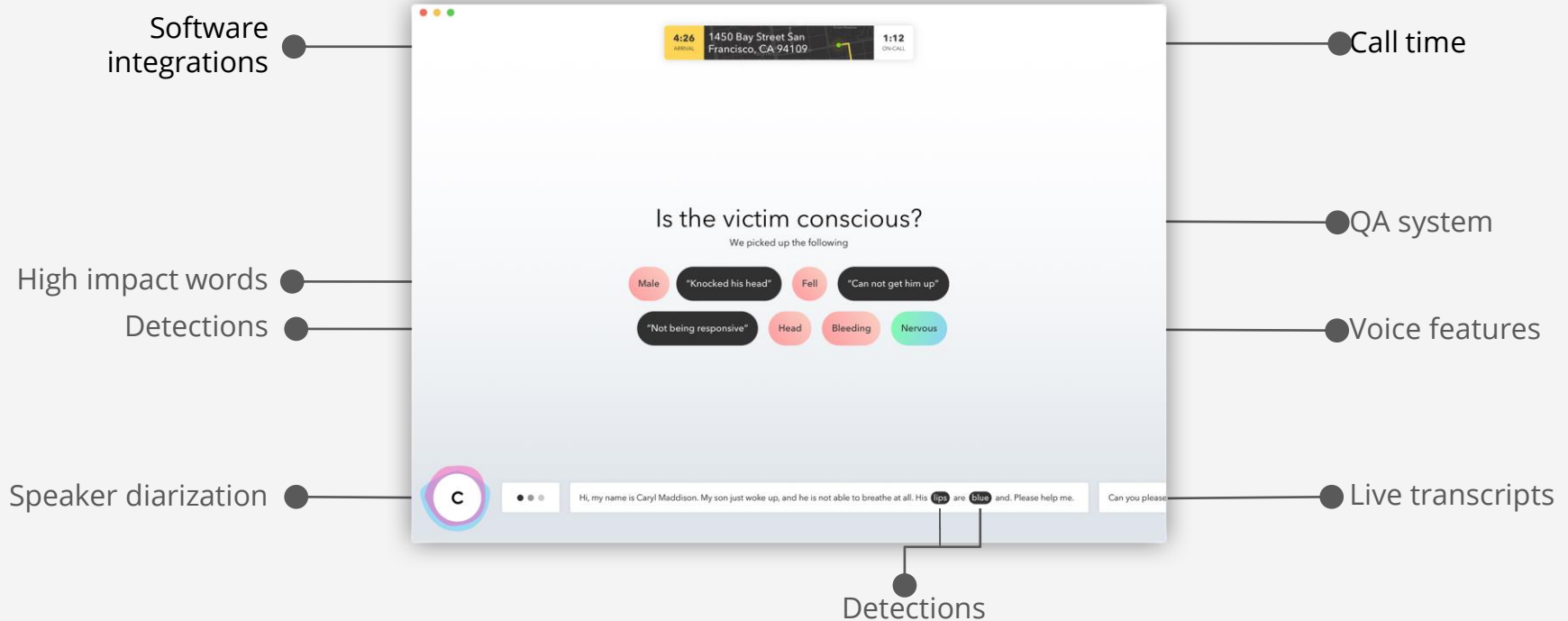


Corti's proof of concept

>90% Recall(accuracy)
live cardiac arrest detection.



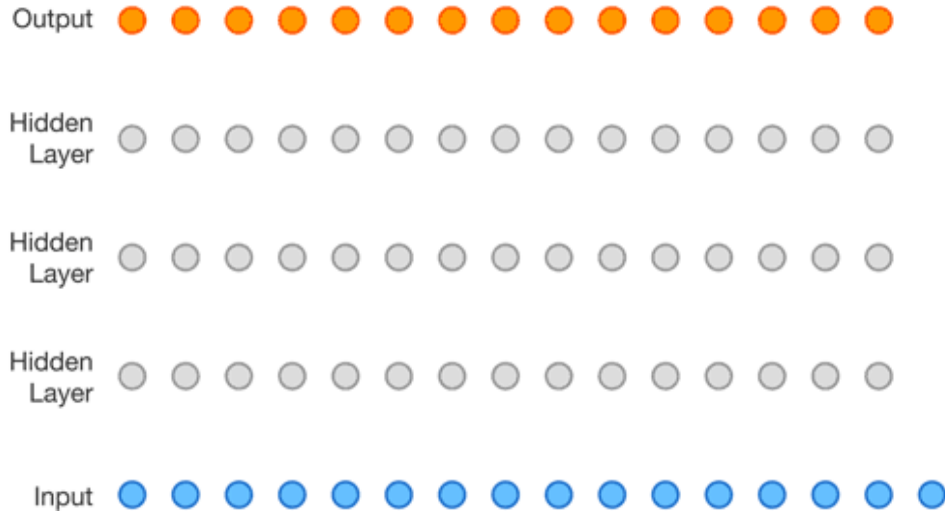
Magic happens inside Corti



[*watch demo here.](#)

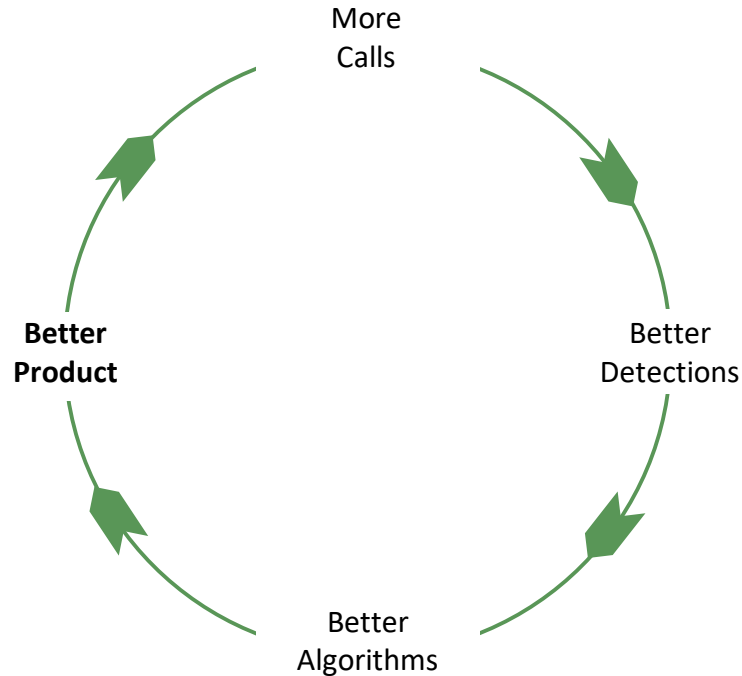
Transferring learning

Each detection
leads to a better product.



Data network effects are critical to a smarter future

Knowledge sharing enables product value



The vision

Training a Single Brain

If PSAPs worked together every emergency room could get high-level diagnostic assistance out of the box.