

Bots or Humans? Or both?



CONFERÊNCIA INTERNACIONAL APCC 16 de maio de 2017, Centro de Congressos do Estoril

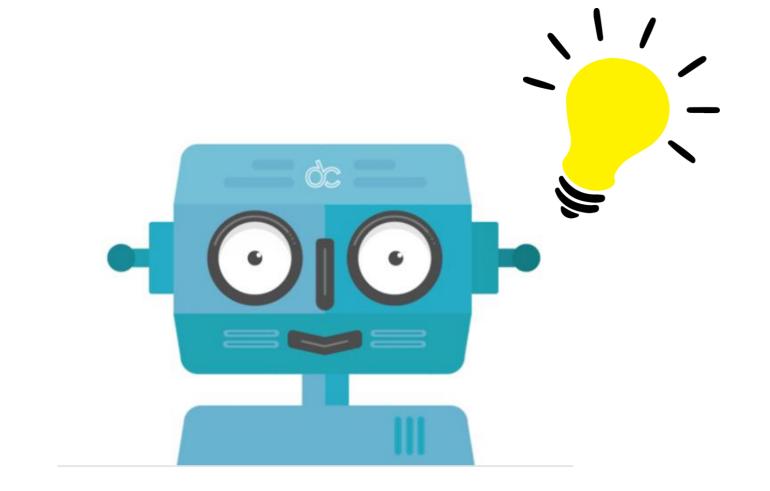
Humans vs Machines? The future of customer service

Daniela Braga, Founder and CEO Joao Freitas, CTO

daniela@definedcrowd.com; joao@definedcrowd.com



Seattle - Lisbon

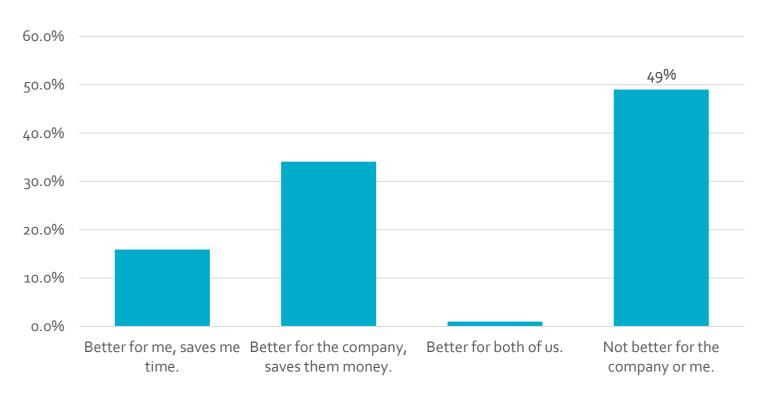


, 201/





Consumers don't like to deal with IVR

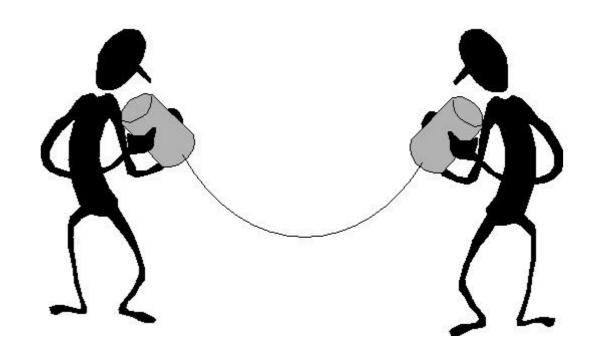


Customer Opinions on IVR, Interactions LCC (408 questionnaires), in SpeechTek 2012

- Same technology of 20 years ago command and control
- Inability to understand beyond the commands
- List of consumers' issues cannot fit in the limited number of menus
- Forces people to repeat themselves within a complex system of options and waste their time listening to irrelevant options



Human to Human Interaction



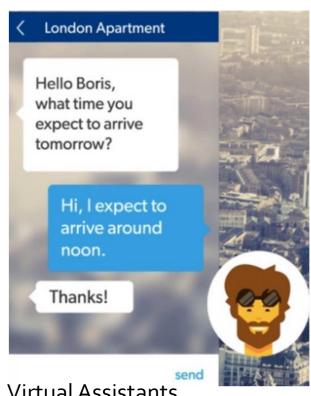


How is technology evolving





IVR



Virtual Assistants



The AI revolution

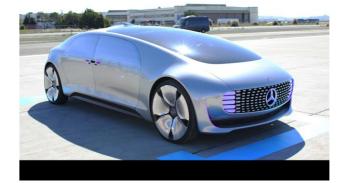












Call centers will be enhanced by AI

Cars, public transportation will be self-driven

A lot of shopping attendants will be replaced by robots and bots

First stage of medical diagnosis will be done by AI

Music will be done by AI

Al will revolutionize education and learning experience Robots will help elderly at home and replace a lot of the caregivers' jobs

House tasks will be done by machines

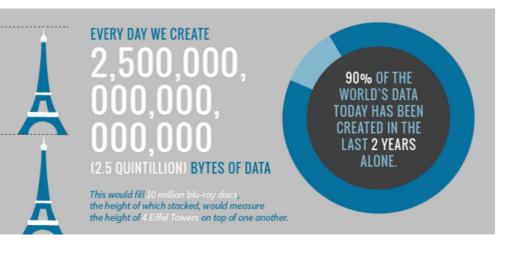


How do machines learn





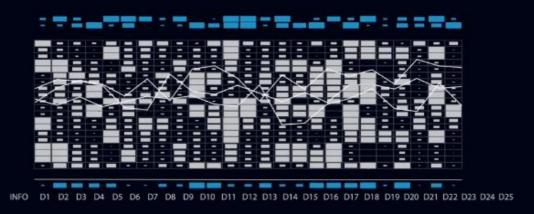
Machines need structured data to learn





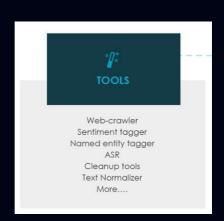
90% of the generated data is unstructured

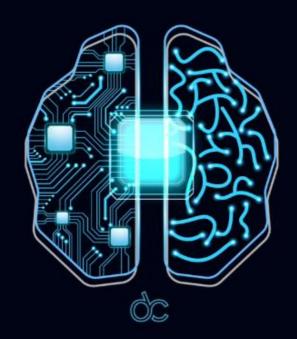
Our platform enables data scientists to collect, enrich and structure high quality training data for AI and ML applications.





Al data workflows + humans-in-the-loop + machine learning









How can we improve customer care?



Audio

Text

Metadata

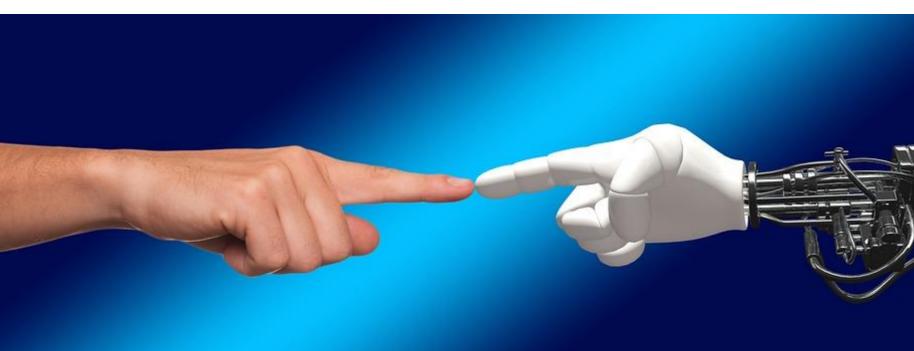
extract meaning



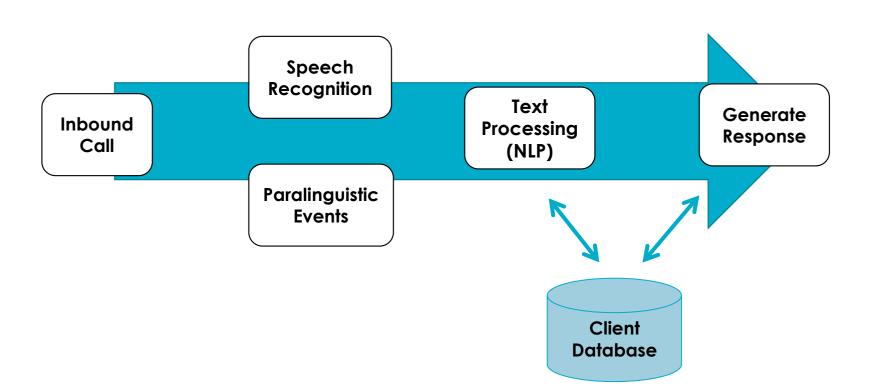




Can a machine be reactive?

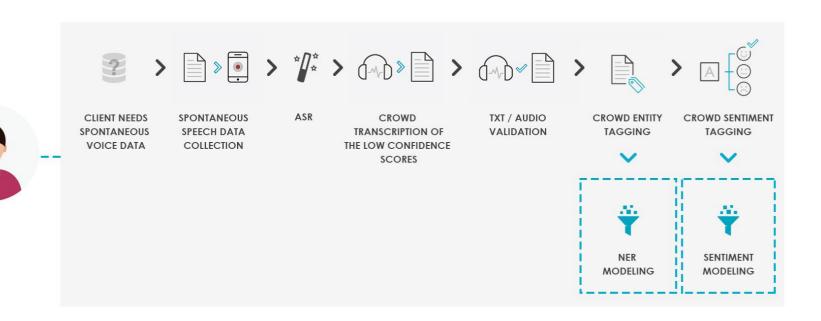


Automation Example





data mining of voice/conversation recordings

















DRAFTS

Sentiment Analysis

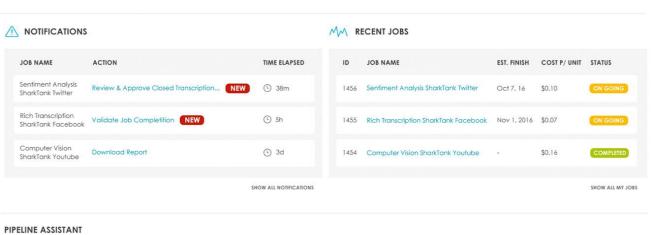
HI, ANNA COSTUMER SUPPORT MANAGER Seattle, WA

2481 CREDITS

BASIC PLAN

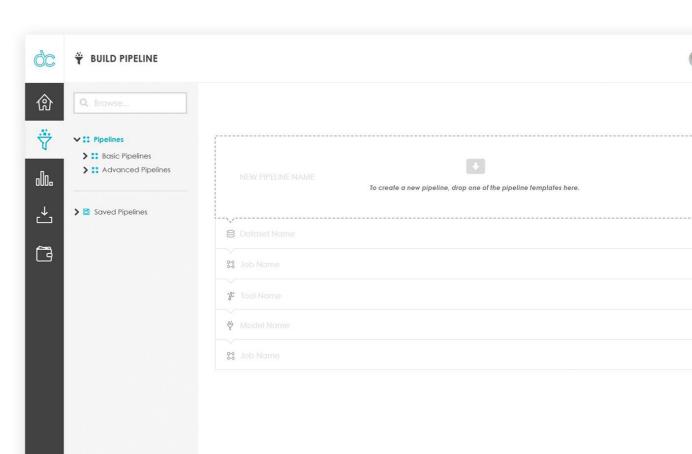
BUY CREDITS

UPGRADE PLAN



MOST USED

Rich Transcription





ٺ









∨ ∷ Pipelines

> :: Basic Pipelines



V 11 Advanced ripeline

Scripted Speech Data C...
Spontaneous Speech Da...

Text Data Mining

Speech Data Mining

Entity tagging & NER Mo...

Sentiment tagging & Mo...

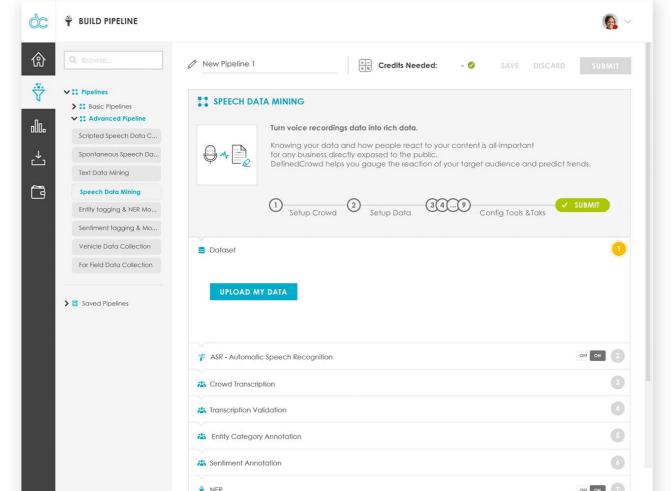
Vehicle Data Collection

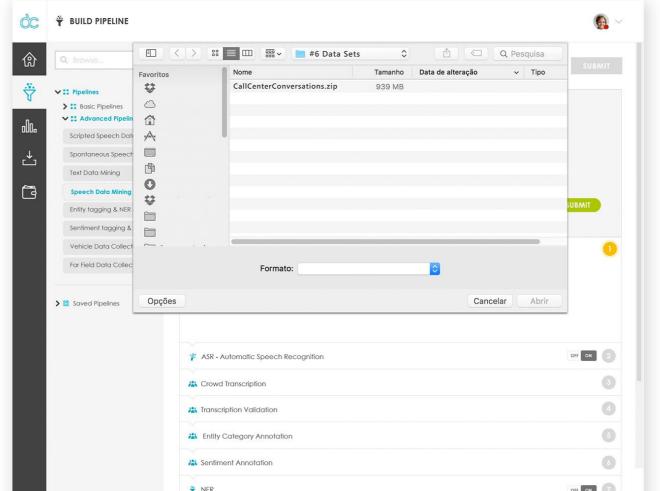
Far Field Data Collection

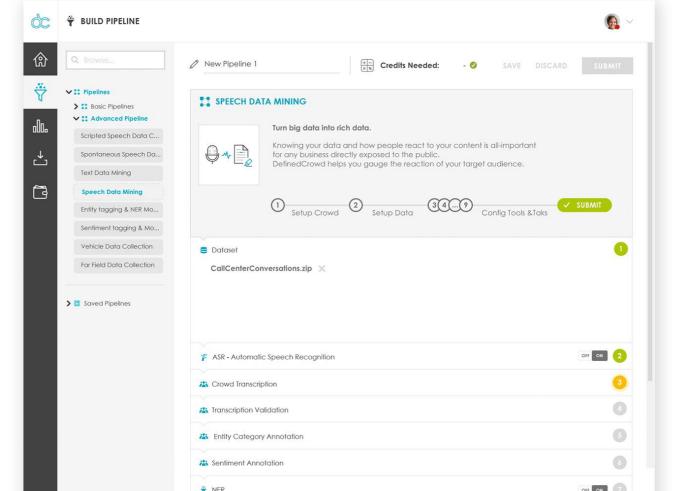
a riola bara concensi

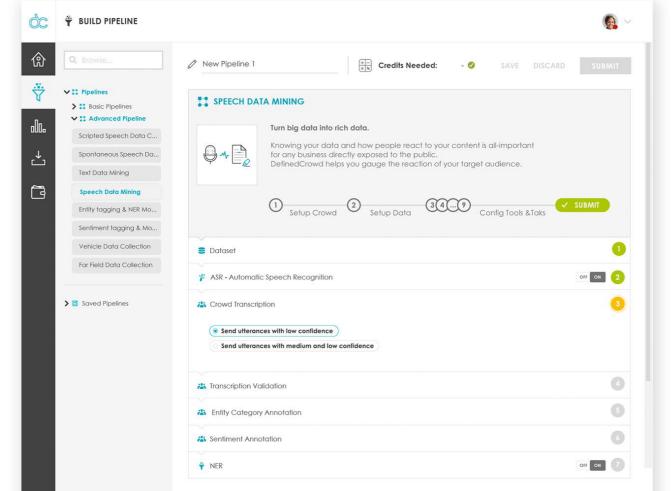
> 🖹 Saved Pipelines

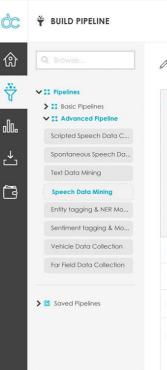


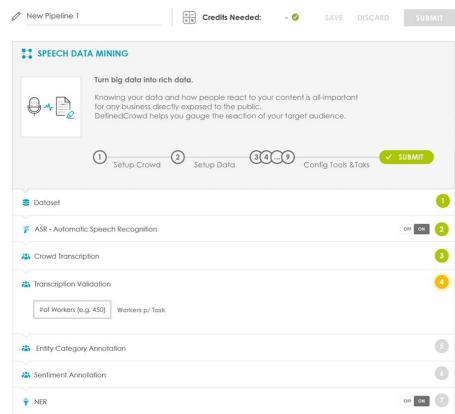


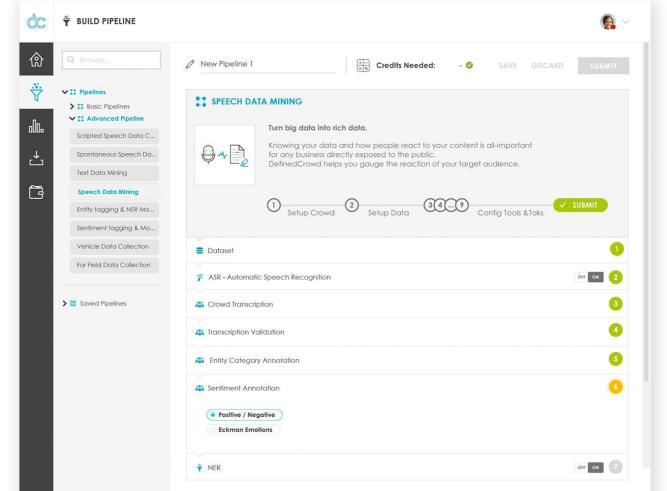


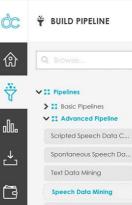




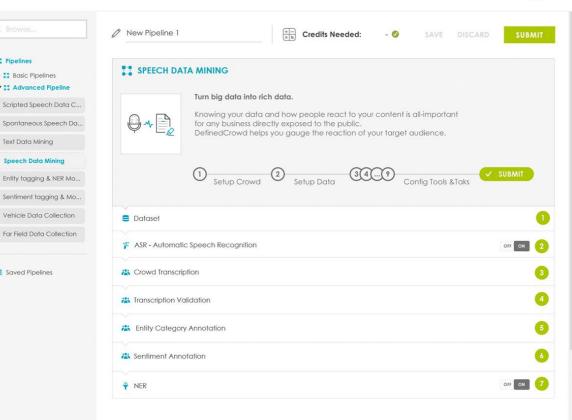


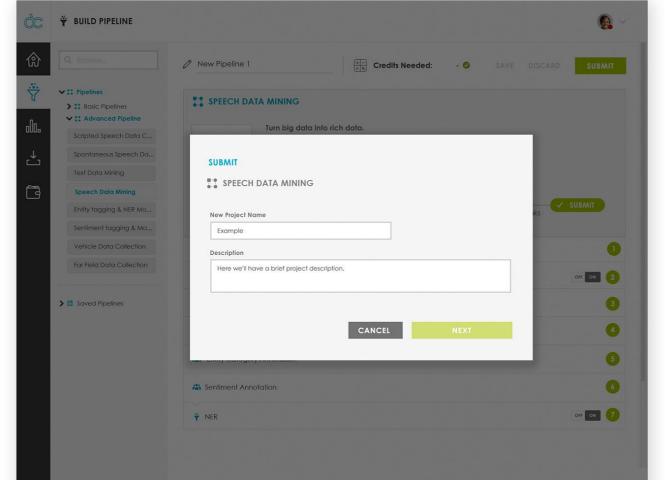


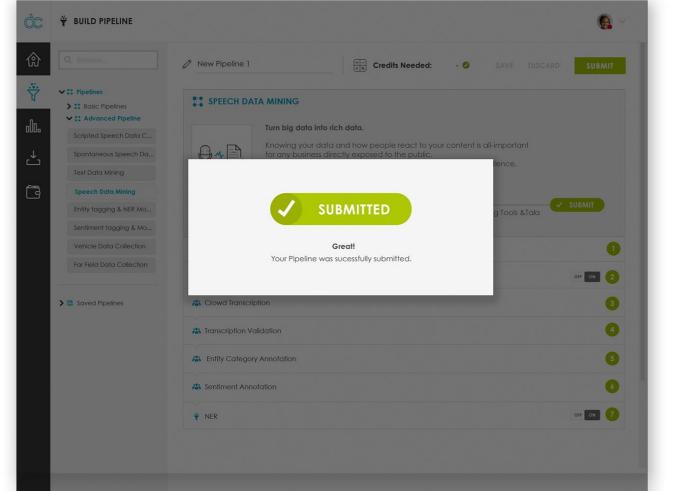




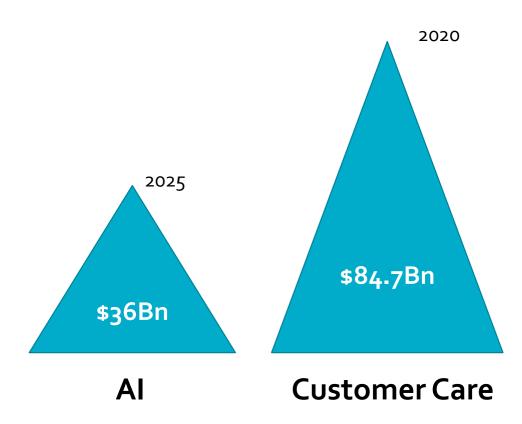
> Saved Pipelines

















FORTUNE 500



US JAPAN EUROPE AUSTRALIA



artificial intelligence



media



computer vision



fintech



machine learning



retail



IoT



healthcare





Watch our enterprise SaaS video: https://www.youtube.com/watch?v=vAWeT-edroc&feature=youtu.be



Learn more at definedcrowd.com

or send me an email to daniela@definedcrowd.com

FOLLOW US ON





