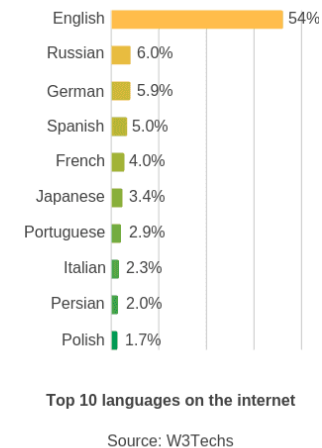
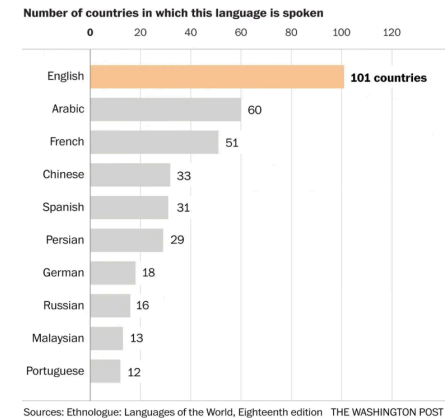
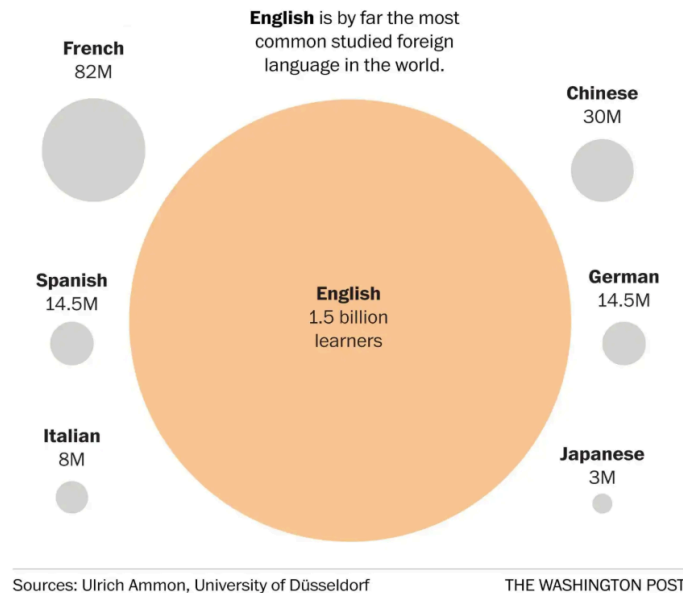
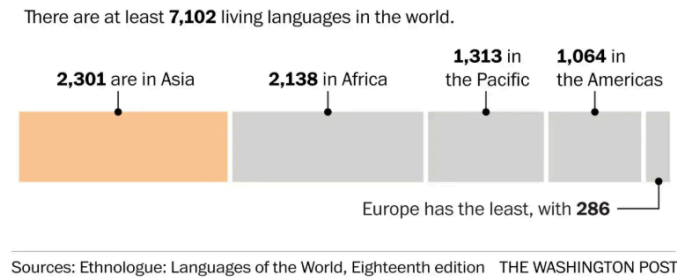
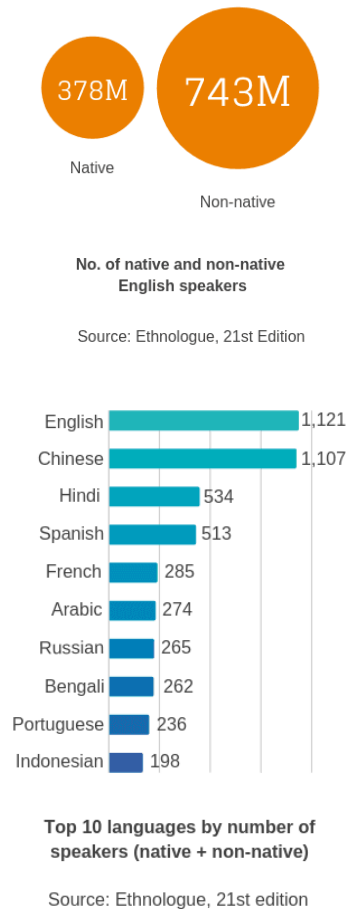


English Teacher

Enhancing Alana to help learn English

- ????? (You)
- Shubham Agarwal
- Verena Rieser

English – The “World language” , “Lang of Internet” , etc.



Reference:

- <https://www.ethnologue.com/guides/ethnologue200>
- <https://lemongrad.com/english-language-statistics/>
- https://en.wikipedia.org/wiki/English-speaking_world
- <https://www.washingtonpost.com/news/worldviews/wp/2015/04/23/the-worlds-languages-in-7-maps-and-charts/>

Fun facts:

- 20% of the Earth's population speaks English
- India has the second-largest English speaking population after the US

Motivation

- Alana extension - can be used by people who want to practice their English conversation.
- Should be able to practice chit-chat and also talk about topics such as music and movies.
- Eg. - Take pointers from “Duolingo”/“Babble” apps and apply in a conversational setting (?)
- Possible target audience (Ideally all three):
 - Beginners
 - Children (<8yrs) with/- their mother tongue as English
 - Adults learning English for business
 - Intermediate
 - Teenagers preparing for exams or talking about superheroes / Disney characters
 - Expert
 - Student preparing for grad applications: TOEFL / IELTS



Some categorized tasks

- Content / **data sources**
 - Error diagnosis in NLU - Modify NLU to understand utterances even if they are incorrect in some way - topics
 - NLG
 - For repairing errors
 - In general responses
 - DM for practicing English / selecting lessons (e.g. spot and remedy errors)
 - Persona (and chit-chat) design and development
 - Evaluation of language learning
- > AI/DL techniques to automatically detect syntactically and semantically correct user exchanges
- a. Clean data source -> Can use pre-trained networks (BERT)
 - b. Challenging problem:
 - [Buffalo buffalo Buffalo buffalo buffalo buffalo Buffalo buffalo](#)
 - [James while John had had had had had had had had had had had a better effect on the teacher](#)

Reference: https://en.wikipedia.org/wiki/List_of_linguistic_example_sentences

WHY IS ENGLISH SO MUCH FUN?

“ ALL THE FAITH HE HAD HAD HAD HAD NO
EFFECT ON THE OUTCOME OF HIS LIFE. ”

BECAUSE THAT SENTENCE
MAKES PERFECT SENSE.

more Fun on likealaugh.org

Some References

- Curry et al, "Alana v2: Entertaining and Informative Open-domain Social Dialogue using Ontologies and Entity Linking", Alexa Prize Proceedings (2018)
- Litman et al. "Towards Using Conversations with Spoken Dialogue Systems in the Automated Assessment of Non-Native Speakers of English" In SIGDial (2016)
- Huang et al. "A chatbot for a dialogue-based second language learning system" EUROCALL (2017)
- Baur et al. "A Textbook-based Serious Game for Practising Spoken Language" 2013.
- Bibauw et al. "Dialog Systems for language learning: state of the art and avenues for research on task-based agents" CALICO (2015)

#CA2020



shubhamagarwal92



@shubhamag1992



sa201@hw.ac.uk

Feel free to drop a message!

Slides: https://github.com/shubhamagarwal92/CA_2020/blob/master/project_material/