



8° CONGRESO INTERNACIONAL DE ESPECTRO

INNOVACION HACIA UNA SOCIEDAD CONECTADA

Artificial Intelligence: Connectivity and Access

Lester Garcia/Facebook

Facebook: Connectivity



Barriers to Connectivity



Availability



Affordability



Awareness

Facebook: Artificial Intelligence

- Our work on AI is to develop tools that will ultimately help us make our services better and enable new set of ways to connect and share.
- Artificial Intelligence and Machine Learning can be leveraged by certain algorithms to enhance people's experiences on Facebook.
- We are using AI to power the products and services we build, that helps us develop a new generation of apps and services that are more natural, intuitive, and valuable, and more responsive than anything that has come before.
 - For example, new computer vision algorithms based on AI can “read” images and videos to the blind and display over 2 billion translated stories every day.
- Overall, AI helps us improve the quality of what people see and can share on our platform, and the technology has the potential to make the internet more useful for everyone.



- AI can help power new advances in accessibility and privacy:
 - *Accessibility:* AI has the potential to identify and read words aloud for the blind, help an autistic child to decipher facial expressions, or identify street signs in one language and instantly translate them to another. Those are just a few applications of image recognition technology driven by AI.
 - *Privacy:* Facebook’s facial recognition features enhance privacy because it gives control to users—allowing people to find out when photos of them are added and see what others are saying about them.
- AI can make our service more relevant for people.
 - Facebook has to surface around 100-150 items of content (from thousands) to show people in a given day based on what they want (or need) to see.
 - Doing this well requires understanding content: what a post/comment talks about, what an image or a video contains, etc.

Facebook Accessibility

How one blind mother uses Facebook

- <https://www.youtube.com/watch?v=-MUIDGmpZ8s>

Conclusions

- Developments in AI and Machine Learning have the potential to bring the World closer together by creating community
 - Accessibility
 - More useful and efficient on-line interactions
 - More efficient networks
- Governments should avoid taking a premature position on regulating AI. AI is a field of science.
 - AI is a technology. Efficient regulation is tech neutral
- We believe that AI has vast potential to create new industries and grow the global economy.
- Innovation is key for Development. Innovation reduces costs and increases affordability for Connectivity
- Regulatory flexibility is essential to foster innovation



Thank you!

