Intelligent Personal Assistant

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   • Apple Siri
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1. Introduction

• What’s Intelligent personal assistant?
  • A software agent that can perform tasks or services for an individual.
  • Based on Personal Information(input, location, email, calendar, etc.)

• Where is it used?
  • Mobile(Android, iPhone), PC

• How is it used?
  • Voice control(usually)
2.1 Apple Siri

• Initial release in 2011
• iOS, watchOS and tvOS.
• Available in English, French, etc.
• Natural language user interface.
2.2 Microsoft Cortana

- Initial release in 2014
- Windows Phone, Windows 10.
- Available in English, French, German, Chinese, Italian, Spanish.
2.3 Google Now

- Initial release in 2012
- Android, iOS, Windows, OS X, Linux, Chrome OS
- Available only in English
- Delegate requests to web services
- Display relevant information in cards.
3. Conclusion

- For normal users:
  - Choose whichever you are most comfortable with

- For engineers:
  - See Demonstration
4. Demonstration
4. Demonstration

• What is Sirius?
  • Open-source speech and vision based intelligent personal assistant
  • Developed by Clarity Lab at the University of Michigan

• Main functionalities?
  • speech recognition
  • image matching
  • natural language processing
  • question-and-answer system
4. Demonstration
References

- https://en.wikipedia.org/wiki/Cortana_(software)
- http://sirius.clarity-lab.org/sirius/