# Are AI-Based Virtual Assistants Such as Siri, Alexa, and Google Assistant Ready for College?
# 6 Slides

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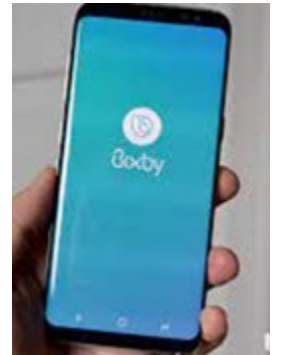
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# Abstract

- How are virtual assistants used to do schoolwork?
  - Siri, Google Assistant, Alexa, Bixby
- Method: surveyed college and university students
  - 121 students with and 51 without disabilities
  - Goal: find out how students use virtual assistants to do schoolwork
  - Results (LimeSurvey)
  - 2% - 15% of students used virtual assistants to do schoolwork
  - Mainly for calendar alerts, internet research, & dictionary
  - Conclusions
  - Are Siri, Google Assistant and Alexa ready for college? "No!"

# Method: 121 Students with & 51 Without Disabilities

- Did you use a smartphone to do schoolwork?
  - If yes, which type of smartphone(s) did you use? (iPhone, Android, Other)
- Did you use a tablet to do schoolwork?
  - If yes, which type of tablet(s) did you use? (iPad, Android, Other)
- If you used _____ for schoolwork, what school related tasks did you use this for?
  - Siri
  - Google Assistant
  - Alexa
  - Bixby (Samsung)

# Results 1

- Overall, little use made of these
  - Similar proportions of the 2 groups
  - More smartphones (58%) than tablets
  - 63% of smartphones & 82% of tablets are Apple

| Virtual assistant | Students with a disability | Students without disabilities |
|---|---|---|
| Google Assistant | 15% | 8% |
| Siri | 12% | 12% |
| Alexa | 2% | 4% |
| Bixby | 2% | 2% |

# Results 2

- Mainly used for
  - Calendars / scheduling / alerts, internet / research, dictionary

| Activity | Siri | Google Assistant | Alexa | Bixby | Total |
|---|---|---|---|---|---|
| Schedule/calendar/alerts/reminders | 9 | 8 | 3 | 1 | 21 |
| Internet/research | 2 | 9 | | 2 | 13 |
| Dictionary/definitions | 6 | 2 | 2 | | 10 |
| Spelling | 4 | 1 | 2 | | 7 |
| Timer | 1 | 2 | | | 3 |
| Read books | | 2 | 1 | | 3 |
| Calculate | 1 | | 1 | | 2 |
| Translate | 2 | | | | 2 |

# Conclusions

Regrettably, virtual assistants are not yet ready for college!



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