Artificial Intelligence in the Americas

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Research Question

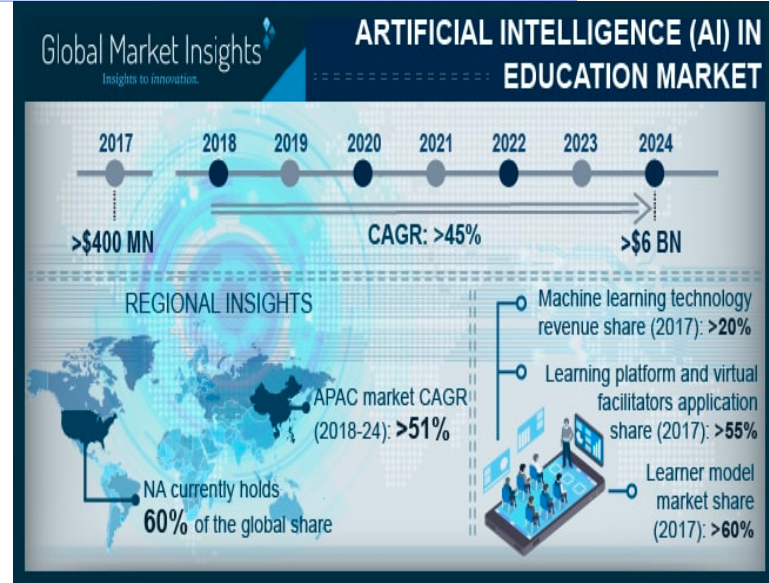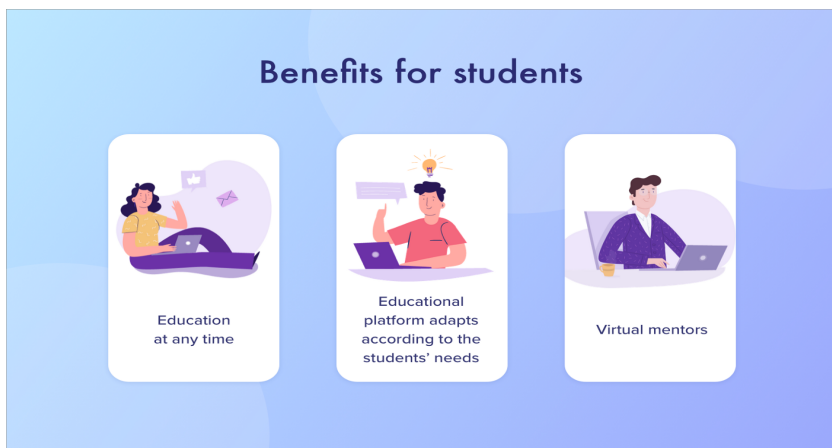How is AI beneficial in K-12 education system?

Background

AI is defined as the branch of computer sciences that emphasizes the development of intelligent machines, thinking and working like humans. AI is used in our everyday life, including the education system in the Americas.

Research methods

- Peer reviewed journals
- Academic journals
- Websites

Results

Benefits for schools and teachers
- Personalization
- Deep involving into the education process
- Ability to detect weaknesses
- Curriculum automatic formation
- Chance to find the best teacher

Benefits for students
- Education at any time
- Educational platform adapts according to the students' needs
- Virtual mentors

Global Market Insights
Insights to innovation.

ARTIFICIAL INTELLIGENCE (AI) IN EDUCATION MARKET

2017 2018 2019 2020 2021 2022 2023 2024

>$400 MN   CAGR: >45%   >$6 BN

REGIONAL INSIGHTS

- Machine learning technology revenue share (2017): >20%
- Learning platform and virtual facilitators application share (2017): >55%
- Learner model market share (2017): >60%

APAC market CAGR (2018-24): >51%

NA currently holds 60% of the global share

An educator located in Tampa Florida, whose district is heavily Latinx stated, "Technology pushes education forward and makes everything easier," explained Omar Valerio, CIO at Westminster Christian School. "The students are more engaged, more enthusiastic. They're excited to come to school, participate and learn new things. Technology facilitates opportunities for them."

Conclusion

- Artificial intelligence has seen an increase in classroom use in the Americas.
- Further research concludes that children seem to be more actively engaged in learning when using some form of machine learning or interactive learning.
- There are some cases where children who are Latinx from lower income families cannot afford this type of learning
- For example In Mexico Just 47% of households there reported having internet in 2016 — the most recent data available.

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