Academic Proof-of-Concept (PoC)

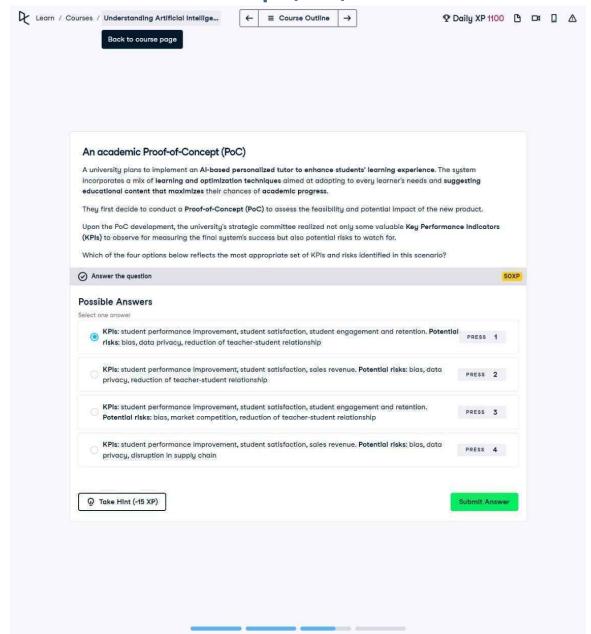### An academic Proof-of-Concept (PoC)

A university plans to implement an **AI-based personalized tutor to enhance students' learning experience**. The system incorporates a mix of **learning and optimization techniques** aimed at adapting to every learner's needs and **suggesting educational content that maximizes** their chances of **academic progress.**

They first decide to conduct a **Proof-of-Concept (PoC)** to assess the feasibility and potential impact of the new product.

Upon the PoC development, the university's strategic committee realized not only some valuable **Key Performance Indicators (KPIs)** to observe for measuring the final system's success but also potential risks to watch for.

Which of the four options below reflects the most appropriate set of KPIs and risks identified in this scenario?

☑ Answer the question   50XP

Possible Answers

Select one answer

- ⦿ **KPIs:** student performance improvement, student satisfaction, student engagement and retention. **Potential risks:** bias, data privacy, reduction of teacher-student relationship   PRESS 1

- ○ **KPIs:** student performance improvement, student satisfaction, sales revenue. **Potential risks:** bias, data privacy, reduction of teacher-student relationship   PRESS 2

- ○ **KPIs:** student performance improvement, student satisfaction, student engagement and retention. **Potential risks:** bias, market competition, reduction of teacher-student relationship   PRESS 3

- ○ **KPIs:** student performance improvement, student satisfaction, sales revenue. **Potential risks:** bias, data privacy, disruption in supply chain   PRESS 4

💡 Take Hint (-15 XP)   Submit Answer

Question

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Solution

Correct Answer: KPIs: student performance improvement, student satisfaction, student engagement and retention. Potential risks: bias, data privacy, reduction of teacher-student relationship.

Explanation

1. **KPIs:**
   - Student performance improvement is critical to measure the effectiveness of the AI-based tutor.
   - Student satisfaction is a key indicator of how well the AI solution is received.
   - Student engagement and retention show the AI tutor's ability to maintain students' interest and reduce dropout rates.

2. **Potential Risks:**
   - Bias can arise from training data, potentially affecting the fairness of the recommendations.
   - Data privacy concerns are significant when handling sensitive student information.
   - Reduction of teacher-student relationships may occur if the AI tutor replaces significant interaction between students and educators.