AI-Powered Workforce Planning for a Healthcare System

Context

A large hospital network is struggling with nurse and physician shortages, leading to overworked staff and declining patient care quality. Current scheduling methods rely on historical averages, failing to account for real-time patient demand fluctuations.

AI Proposal

Develop an AI-driven workforce planning tool that predicts staffing needs based on patient inflow, seasonal trends, and emergency room activity.

Key Questions

- How can AI-driven scheduling improve operational efficiency without disrupting staff morale?

- What are the risks of AI-based predictions misallocating resources?

- How can human oversight be integrated to ensure ethical and practical staffing decisions?