

### Question 1

How does Data Science use predictive analytics and large-scale data analysis to contribute to healthcare and disaster preparedness? 1 / 1 point

By recommending appropriate tests, trials, and treatments for patients using predictive analytics.

By allowing doctors to customize treatments based on their own experiences.

By creating social media platforms to improve communication during disasters.

By using electronic medical records to predict future health trends.

Correct

Correct! Data science utilizes predictive analytics to suggest suitable medical options for patients.

### Question 2

Imagine you're an e-commerce company looking to enhance customer experiences and boost sales.

How could data science help you achieve this goal? 1 / 1 point

By utilizing wearable device data to improve customer engagement.

By using algorithms to suggest products based on individual customer preferences.

By optimizing delivery routes through real-time location tracking.

By analyzing social media interactions to enhance product recommendations.

Correct

Correct! Data science is employed to provide personalized product recommendations aligned with individual customer tastes.

### Question 3

As a manager of an online fashion store, you're concerned about customers adding items to their cart but not completing purchases. How can data science assist you in solving this problem and boosting conversion rates? 1 / 1 point

Changing the website's appearance for better visuals.

Using drones for faster product delivery.

Running a social media campaign to attract more visitors.

Analyzing customer behavior to find reasons for cart abandonment and applying strategies to address them.

Correct

Correct! Data science can help pinpoint abandonment causes and create tailored solutions.