

Name _____

Becoming a Data Wizard: Skills for a Career in Big Data and Analytics

Open-Ended Response Answer Key

1. (Sample answer) Data analysis and critical thinking skills could be used to address environmental issues, such as studying climate data to identify trends and develop strategies to mitigate climate change.
2. (Sample answer) The future of Big Data and Analytics may involve even larger datasets, increased automation, and more advanced machine learning techniques. Challenges may include data privacy concerns and ethical considerations.
3. (Sample answer) As a data scientist, I would start by cleaning and preprocessing the dataset, then perform exploratory data analysis to identify patterns and anomalies related to environmental pollution, and finally, develop predictive models to assess future pollution levels.
4. (Sample answer) An effective data visualization could be a bar chart showing the decrease in pollution levels over the years, making it easy for non-technical audiences to understand the positive impact of environmental policies.

