**Analyze the following data and write a brief Discussion section as part of a research report. Write approx. 150 words.**

In your discussion, be sure to:

* Interpret the key findings from the data
* Highlight any surprising or significant patterns
* Suggest possible implications or applications of the findings (If any)

Sample 1:

A pie chart with different colored circles

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Fig 14: Primary obstacles impeding the widespread embrace of renewable energy

Figure 14 highlights the key barriers to the widespread adoption of renewable energy, based on participant responses. The most cited obstacle, identified by 32.4% of respondents, is a lack of awareness about the benefits and available options in renewable energy. This is followed by 25.4% who pointed to insufficient government incentives, indicating a clear demand for stronger policy support. High initial installation costs were highlighted by 19.7%, while 18.3% noted infrastructure limitations such as grid capacity and energy storage issues. A smaller portion, 4%, expressed concerns about the reliability of renewable energy sources.

These findings indicate that the challenges are not limited to financial or technical factors but are also deeply rooted in policy and public understanding. The prominence of awareness and incentive-related barriers suggests that effective solutions must go beyond technology alone. To achieve large-scale adoption, efforts must integrate education, government support, and infrastructure development. Addressing these interconnected issues will be critical to making renewable energy a practical and widely accepted part of the global energy mix.

A pie chart with numbers and a diagram

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Fig 17: Installing renewable energy systems

A pie chart with different colored circles

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Figure 18: Factors influencing renewable energy adoption

Figures 17 and 18 explore public interest in adopting renewable energy systems and the key factors influencing such decisions. The data shows strong interest levels, with 33.8% of respondents reporting high interest and 14.1% expressing extreme interest in installing renewable systems at home or work. Moderate and slight interest were recorded at 19.7% and 22.5%, respectively, while only 9.9% showed no interest. This indicates a generally positive attitude toward adopting sustainable energy solutions personally and professionally.

When examining the factors influencing these decisions, cost stands out as the most significant, cited by 38.2% of participants. Environmental impact follows closely at 34.2%, highlighting the growing importance of sustainability in energy choices. Reliability was a concern for 18.4% of respondents, while government incentives and community support influenced 5% each. No other factors were reported.

The findings suggest that while financial considerations are crucial, environmental awareness also plays a major role in motivating renewable energy adoption. Effective strategies must address cost, ensure system reliability, and enhance public knowledge and incentives to support this growing interest.