



**Herzlichen Glückwunsch! Sie haben bestanden!**

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BEWERTUNG  
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## Test your knowledge on testing your data

GESAMTPUNKTZAHL 3

1. A research team runs an experiment to determine if a new security system is more effective than the previous version. What type of results are required for the experiment to be statistically significant?

1 / 1 Punkten

- ☐ Results that are hypothetical and in need of more testing
- ☒ Results that are real and not caused by random chance
- ☐ Results that are inaccurate and should be ignored
- ☐ Results that are unlikely to occur again

✓ Richtig

In order for an experiment to be statistically significant, the results should be real and not caused by random chance.

2. In order to have a high confidence level in a customer survey, what should the sample size accurately reflect?

1 / 1 Punkten

- ☐ The most valuable members of the population
- ☐ The predictions of stakeholders
- ☒ The entire population
- ☐ The trends from other customer surveys

✓ Richtig

In order to have a high confidence level in a customer survey, the sample size should accurately reflect the entire population.

3. A data analyst determines an appropriate sample size for a survey. They can check their work by making sure the confidence level percentage plus the margin of error percentage add up to 100%.

1 / 1 Punkten

- ☐ True
- ☒ False

✓ Richtig

The confidence level percentage and margin of error percentage do not have to add up to 100%. They are independent of each other.