

```
|: import numpy as np
import scipy.stats as stats

design_a = np.array([0.12, 0.15, 0.10, 0.14, 0.13, 0.11, 0.16, 0.17, 0.18, 0.14])
design_b = np.array([0.20, 0.22, 0.19, 0.21, 0.23, 0.18, 0.24, 0.20, 0.19, 0.22])

t_stat, p_value = stats.ttest_ind(design_a, design_b)

print(f"T-statistic: {t_stat:.4f}")
print(f"P-value: {p_value:.4f}")

alpha = 0.05
if p_value < alpha:
    print("There is a statistically significant difference in the conversion rates between Design A and Design B.")
else:
    print("There is no statistically significant difference in the conversion rates between Design A and Design B.")
```

T-statistic: -6.6679

P-value: 0.0000

There is a statistically significant difference in the conversion rates between Design A and Design B.