

### Suzhou Housing Price Analysis Problem

Suzhou has seen rapid urbanization and development over the past few decades. As a result, housing prices have been a topic of interest for both locals and potential investors. A real estate agency in Suzhou conducted a survey of apartment prices (in thousands of yuan) in a popular residential area and grouped the data as follows:



Price Range (in thousands of yuan)	Number of Apartments
1000-1499	15
1500-1999	25
2000-2499	30
2500-2999	20
3000-3499	10

Questions:

Calculate the mean price of the apartments using your GDC.

Calculate the standard deviation of the apartment prices using your GDC.

Interpret the results in the context of the housing market in Suzhou.

### Suzhou Tourist Visit Duration Analysis Problem

Suzhou, known for its classical gardens and traditional water towns, attracts millions of tourists every year. The city's tourism board conducted a survey to understand the duration of stays by tourists. The data, representing the number of days tourists spent in Suzhou, was grouped as follows:



Duration (in days)	Number of Tourists
1-2	5000
3-4	7000
5-6	4000
7-8	2500
9-10	1500

Questions:

1. Calculate the mean duration of stays by the tourists using your GDC.
2. Calculate the standard deviation of the duration of stays using your GDC.
3. Interpret the results in the context of tourism in Suzhou. What insights can be drawn about the preferences of tourists visiting Suzhou?