**Scatter Graphs**

**How well correlated are you with your classmates?**

**For the following hobbies/interests, rank them with a 1 for your least favourite and 10 for your most favourite. (Use each number once)**

1. **Playing music b) Sleeping c) Watching tv d) Playing sport e) Reading f) Internet g) Cinema h) Shopping i) Listening to music j) Dancing**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hobby** | **a** | **b** | **c** | **d** | **e** | **f** | **g** | **h** | **i** | **j** |
| **(x) Me** |  |  |  |  |  |  |  |  |  |  |
| **(y)Friend** |  |  |  |  |  |  |  |  |  |  |

**Now plot your data on the chart below. Make a line of best fit. Are you positively correlated? Negatively correlated?**



**Repeat the same test with someone else (if you are a girl, ask a boy and vice versa!)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hobby** | **a** | **b** | **c** | **d** | **e** | **f** | **g** | **h** | **i** | **j** |
| **Me** |  |  |  |  |  |  |  |  |  |  |
| **Friend** |  |  |  |  |  |  |  |  |  |  |

