AP Psychology

Ms. Romaine

Bar Graph Practice

A good video to use if needed as a refresher on bar graphs is *How-to. . . Draw a Bar Graph* (length 9:37) by Dan Calder. You can use your search engine to find video or the link below.

<https://www.bing.com/videos/search?q=How+to+Construct+a+Bar+Graph&&view=detail&mid=1C97D5BCF925097DF42C1C97D5BCF925097DF42C&&FORM=VRDGAR&ru=%2Fvideos%2Fsearch%3Fq%3DHow%2Bto%2BConstruct%2Ba%2BBar%2BGraph%26FORM%3DVRMHRS>

**Assignment** - Draw a bar graph that shows the **mean** number of hours per week that students spend studying in each course. Include in your bar graph a title, labels (x and y axis), bars with spaces, and a relationship statement as to the results of data. Your bar graph may be drawn on any type of paper you have available (notebook, copy paper) and does not require graph paper.

***Example:*** *Suppose a researcher wants to find the average number of hours students study in three different courses. Each course has 100 students. The researcher does a survey of ten students in each of the courses. On the survey, he asks the students to write down the number of hours per week they spend studying for that course. The raw data look like this:*

**Hours of Study per Week**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course A** | | **Course B** | | **Course C** | |
| Student | Hours per week | Student | Hours per week | Student | Hours per week |
| Joe | 9 | Hannah | 5 | Meena | 6 |
| Peter | 7 | Ben | 6 | Sonia | 6 |
| Zoey | 8 | Iggy | 6 | Kim | 7 |
| Ana | 8 | Louis | 6 | Mike | 5 |
| Jose | 7 | Keesha | 7 | Jamie | 6 |
| Lee | 9 | Lisa | 6 | Ilana | 6 |
| Joshua | 8 | Mark | 5 | Lars | 5 |
| Ravi | 9 | Ahmed | 5 | Nick | 20 |
| Kristen | 8 | Jenny | 6 | Liz | 5 |
| Loren | 1 | Erin | 6 | Kevin | 6 |