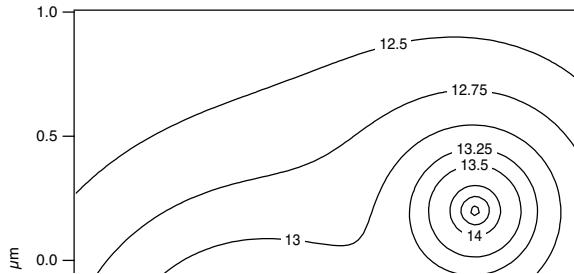


### Overview

Category plots are two-dimensional plots with a continuous numeric variable on one axis and a non-numeric (text) category on the other. Most often they are presented as bar charts with one or more bars occupying a category slot either side-by-side or stacked or some combination of the two. You can also combine them with error bars:



Category plots are created in ordinary graphs when you use a text wave or dimension labels as the X data. For more on graphs, see Chapter II-13, **Graphs**.

### Creating a Category Plot

To create a category plot, first create your numeric wave(s) and your text category wave.

The numeric waves used to create a category plot should have “point scaling” (X scaling with Offset = 0 and Delta = 1). See **Category Plot Pitfalls** on page II-362 for an explanation.

Then invoke the Category Plot dialog by choosing Windows→New→Category Plot. You can append to an existing graph by choosing Graph→Append to Graph→Category Plot.

Select the numeric waves from the Y Waves list, and the category (text) wave from the X Wave list.

You can use also the Display command directly to create a category plot:

```
Make/O control={100,300,50,500},test={50,200,70,300}
Make/O/T sample={"15 min","1 hr","6 hrs","24 hrs"}
Display control,test vs sample //vs text wave creates category plot
ModifyGraph hbFill(control)=5,hbFill(test )=7
SetAxis/A/E=1 left
Legend
```

