## CREATING Bar Graphs IN MICROSOFT EXCEL 2003

## Step 1: Set up the Variables AB Design



## Step 1: Set up the Variables X-Axis for $A B$ design



## Step 1: Set up the Variables



Enter X-axis label in this cell
For example: If you are graphing data for a rating scale or test results enter the labels for the rating scale or the test

The Functional Analysis Screening Tool has four categories

1. Attention/tangible 2. Escape 3. Automatic, 4 Automatic Pain

If we were to graph the results of the FAST we would enter the above categories for X axis

## Step 1: Set up the Variables



## Step 2: Enter the Data

```
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```

|  | A | B | C | D | E | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Variable(s) on Y axis |  | Variable | on X axis |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 | Rater | Attention/Tangible | Escape | Automatic | Automatic Pain |  |  |
| 4 | Teacher | 2 | 4 | 0 | 1 |  |  |
| 5 | Parent | 1 | 4 | 0 | 1 |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |

Enter the FAST results from parent and teacher reports (see below) as it is shown above
For example; the FAST results from parent and teacher are shown below

```
15 Parent FAST
\begin{tabular}{|c|c|c|c|}
\hline Attention & 1 & Attention & 2 \\
\hline Escape & 4 & Escape & 4 \\
\hline Automatic & 0 & Automatic & 0 \\
\hline Automatic Pain & 1 & Automatic Pain & 1 \\
\hline
\end{tabular}

\section*{Creating the Bar Graph}

\section*{Step 3: Create the Bar Graph}


\section*{Step 3: Create the Line Graph ABAB Desian}

- Position the mouse on cell B1
- Click and hold the left mouse

\section*{button}
- Move the mouse till all the data
points are highlighted
- Release the left button
- If data collection for reimplementation of the intervention is ongoing, highlight additional empty cells. For example: if the data collection for re-implementation of NCR is going to continue for additional 4 days, cells 25, 26, 27 and 28 will be highlighted as well.

\section*{Step 3: Create the Bar Graph}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{} \\
\hline A & B & C & D \\
\hline (s) on Y axis & & \multicolumn{2}{|l|}{Variable on X axis} \\
\hline & & \multicolumn{2}{|r|}{FAST} \\
\hline Rater & Attention/Tangible & Escape & Automatic \\
\hline & 2 & + & 0 \\
\hline & 1 & 4 & 0 \\
\hline & - & & \\
\hline & ick on Graph Icon & & \\
\hline & & & \\
\hline
\end{tabular}


You can choose to create 2D or 3D bar graphs Click on 2D option then click Next>



\section*{Step 3: Create the Line Graph}

\section*{Fill in the}
- Chart title:
- Category (X) axis: Possible Function - Value (Y) axis: Number of "Yes" answers Chant Wizary - Step - Then click Next


?
Cancel
<Back
Next >

\section*{Step 3: Create the Bar Graph}




14 1 M \MBaseline /Mprobe / Bar Graph Chart \(\lambda\) Chart7 / Bar Graph /AB Graph /AB /ABAB LChart6 / Changing Criterion c) 4


\section*{Step 3: Create the Bar Graph Adjust the Plot Area of the Graph}


Step 3: Create the Bar Graph Adjust the Plot Area of the Graph



Chart Area
Example Bar Graph
```

