# Least squares Sample Subtitle

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#### Example

Showing why least squares

We have a variable y. We know that it's dependent of another variable x in some way. But we don't know how, exactly. So we go to the field and measure certain points. Those that we can reach. Six of them.

$$(2,5), (5,5), (7,8), (11,7), (14,9), (18,7)$$

That is: on x = 2 we measure y = 5, on x = 5 we measure y = 5 again, but on x = 7 we got y = 8, and so on.

### Example

Showing why least squares

Next step, obviously, is to plot these points.

 $\begin{bmatrix} 2 & 1 \\ 5 & 1 \\ 7 & 1 \\ 11 & 1 \\ 14 & 1 \\ 18 & 1 \end{bmatrix}$ 

## Sample Page 2

An Example of Lists

- **1**
- **>** 2
- **>** 3

### Paragraph Content

This is a paragraph.