Statistics with Spa R ows

Lecture 7

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Outline







Soduko of statistics

X	X ₁	\mathbf{X}_2	X ₃
5	5	5	?
5	1	?	?
5	?	?	?

• How many values of x_i do you need to fix to estimate the remaining?

Soduko of statistics

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5	5	5	?•
5	1	?:	?
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- How many values of x_i do you need to fix to estimate the remaining?
- How many x_i do you need to fix to only have ONE solution?

Soduko of statistics

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5	5	5	?
5	1	?	?
5	?	?	?

- How many values of x_i do you need to fix to estimate the remaining?
- How many x_i do you need to fix to only have ONE solution?
- 2. One parameter can be "free"
- df =1

- Sodoku of statistics
- The sample size n minus the number of parameters to be estimated from the data: df = n-1

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- The number of values in the data at the final calculation of a statistic that are free to vary. $df = N_{pars}$
- Reality is even more complicated. However, this is sufficient for us for now.