

# CO2 dataset

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## CO2 dataset

The CO2 dataset is available in R via the *datasets* package. Furthermore, the original data is from Potvin1990. This study aims to convey statistical knowledge by analysing a dataset from Potvin1986. The aim was to investigate the cold tolerance of C<sub>4</sub> plants *Echinocloa crus-galli*. Northern and southern plants of that species were subjected to day time chilling. Moreover, the CO<sub>2</sub> uptake was measured in dependence of the CO<sub>2</sub> concentration.

## Details

- CO<sub>2</sub> concentrations [mL/L]

Plant		Type	Treatment	conc		uptake	
Qn1	: 7	Quebec	:42	nonchilled:	42	Min.	: 95
Qn2	: 7	Mississippi:	42	chilled	:42	1st Qu.:	17.90
Qn3	: 7					Median	:28.30
Qc1	: 7					Mean	:27.21
Qc3	: 7					3rd Qu.:	37.12
Qc2	: 7					Max.	:45.50
(Other)	:42						

95	175	250	350	500	675	1000
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- Uptake in [μmol / m<sup>2</sup> sec]