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What is missing data?

The Unknown

As we know,
There are known knowns.
There are things we know we know.
We also know
There are known unknowns.
That is to say
We know there are some things
We do not know.
But there are also unknown unknowns,
The ones we don't know
We don't know.

—*Feb. 12, 2002, Department of Defence news briefing*

US Defence Secretary Donald Rumsfeld has won a **"Foot in Mouth"** award for his legendary remarks.

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MISSING DATA MECHANISMS

Rumsfeld	Statistics
Known knowns	Observed, Complete record
Known unknowns	Missing Completely at Random (MCAR) Missing at Random (MAR)
Unknown unknowns	Missing not at Random (MNAR)