Towards a Quantification of Uncertainty in Magnetic Maps and Models
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All magnetic maps are wrong, some are potentially useful.

Uncertainty makes the difference.

Two basic grid cell uncertainty categories:
(U1) Cells with data (propagated point uncertainty)
(U2) Cells with no data (interpolation uncertainty)

Uncertainty for grid cells with data is a function of original data uncertainty, data distribution, and expected true variation of the field.

Uncertainty for interpolated cells is a function of typical field variation and distance to measured data.

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