Cycling Through Paradigms

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Thomas Kulm Scient, fic progress is not linear, is not simply cumulative Scientelic mogress is cyclical some things get lost in the process 2 phases of orientific progress: Namal science Based on a prevailing paradigm, which is universally accepted.

Calibrate hey parameters of model

Evaluate predictions of model

Loefine anticulate model further

Collect anomalies puzzle

that cannot be easily explained

by model (without complications) One of the competing paradigms is widely accepted by community Too many anomalies are accumulated Revolutionary science New paradigms

I merge, and compete with existing

paradigms one of the objectives

of the rew paradigms is to resolve

the anomalies that have accumulated But angumentation also plays a role