

Meeting with Prof. Charles Kemp — report

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I gave an example of context where disconfirmation of an hypothesis you highly expect to be true (say $h_1 \in H$) might lead you to admit \bar{H} instead of reconsidering alternative hypotheses in H . But this kind of phenomenon is maybe trivial, and there already are models which might account for it.

Perhaps a way would be to see how we can expressively formalize subjective probability (as presented by Weaver) related to the surprise effect (why 1 out of 10 seems to be more surprising or less probable than 10 out 100 ?). Which link with the Prospect Theory, quantity bias, etc. ?

Moreover, we talked about an other direction, very interesting : is there a way to model and experimentally test some intuitions of Ludwig Benner about the fashion you mentally "break down" a rare event like an accident in subsets of causal, multilinear events ?