

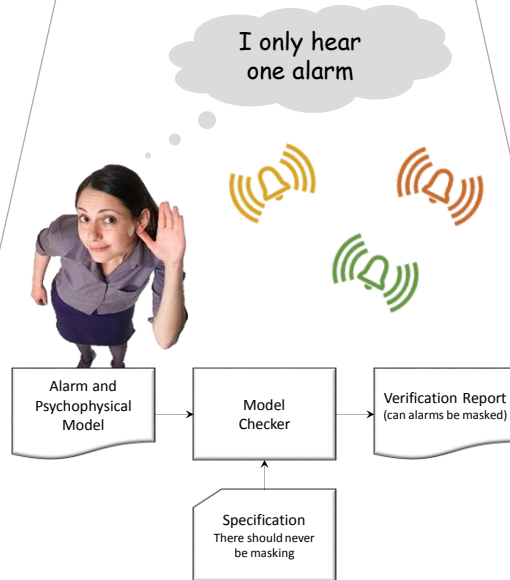
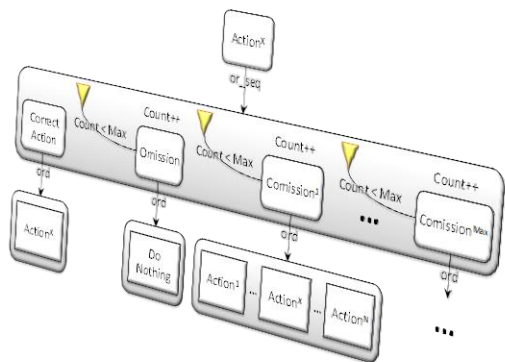
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Using formal methods to engineer safe, secure, and resilient human-interactive systems

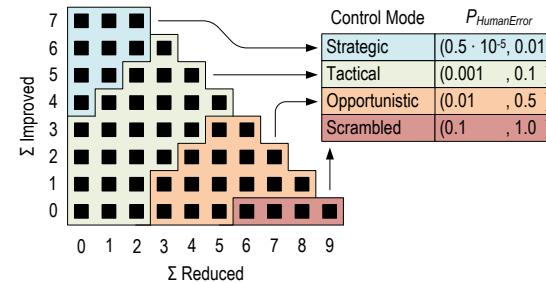
Formal task-analytic methods that account for normative and erroneous human behavior



Formal psychophysical methods for improving medical alarm perception



Formal methods for predicting human error rates in complex environments



Mathematically rigorous methods for working with psychometric concepts