

Simplicity and informativeness in semantic category systems

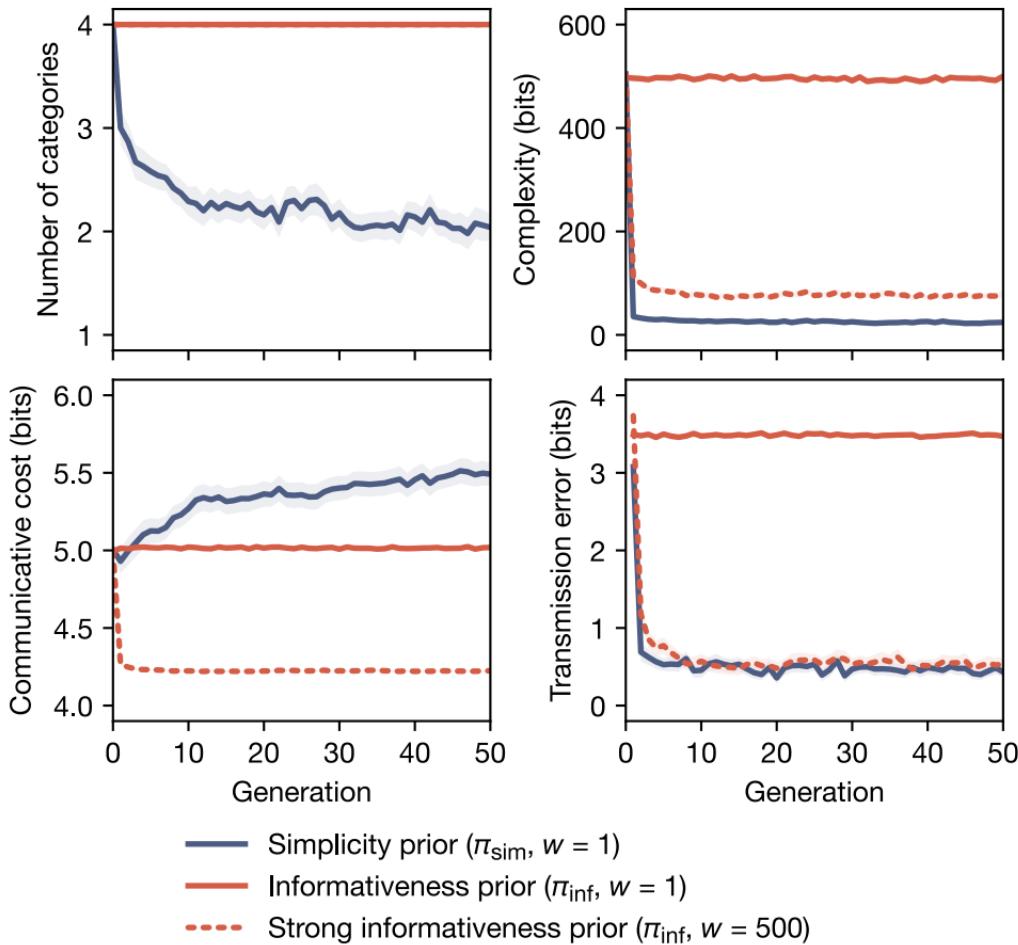
All model results

Jon W. Carr, Kenny Smith, Jennifer Culbertson, Simon Kirby

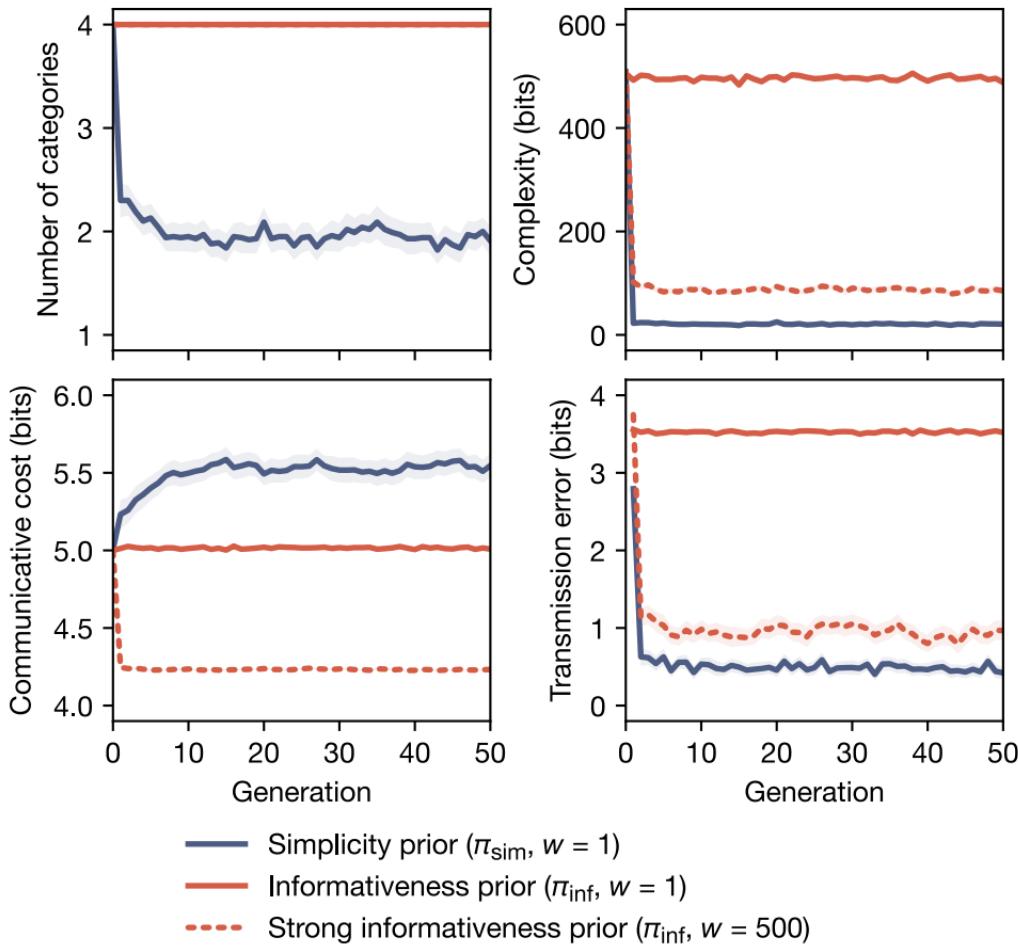
Each page in this document shows model results under particular settings of the bottleneck b , exposure level ξ , and noise level ε . Results are given for number of categories, complexity, communicative cost, and transmission error. Each line represents the mean of 100 chains. See the main paper for more details. To explore the results more interactively, visit: <https://jencarr.net/p/shepard/>

OSF repository: <https://osf.io/hkxqp/>

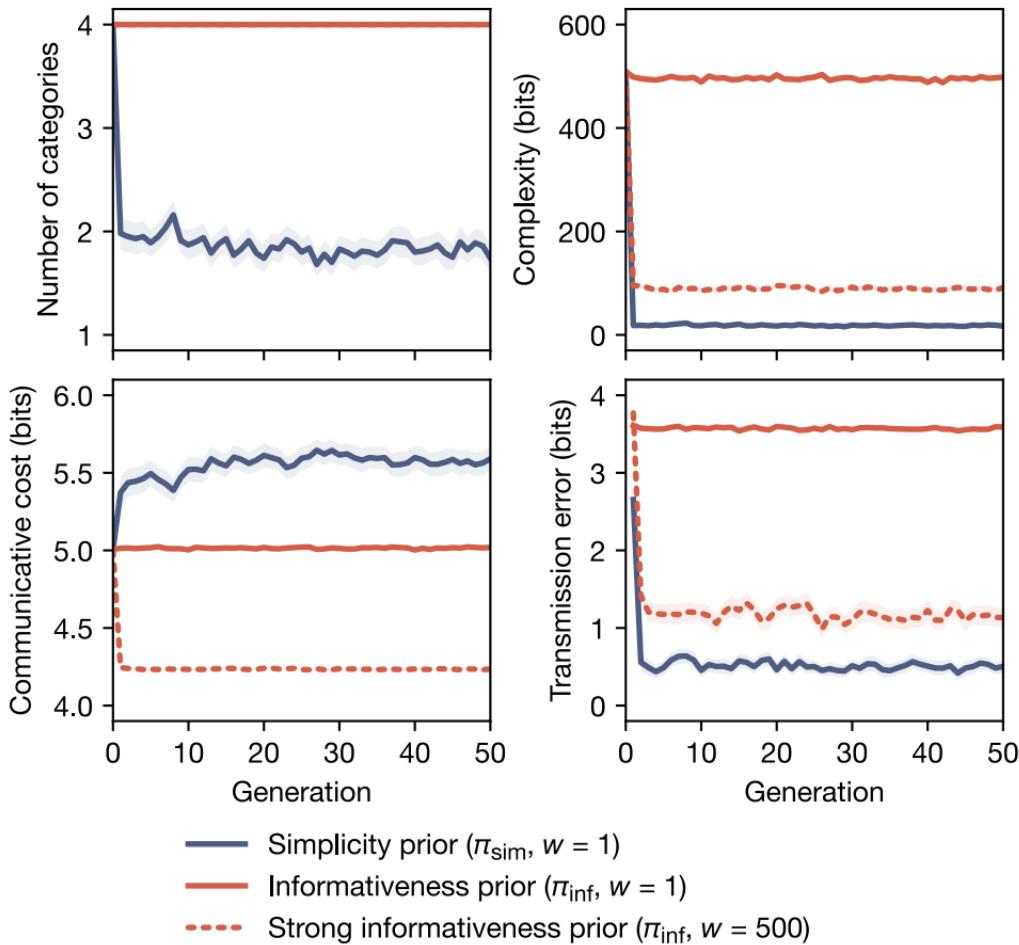
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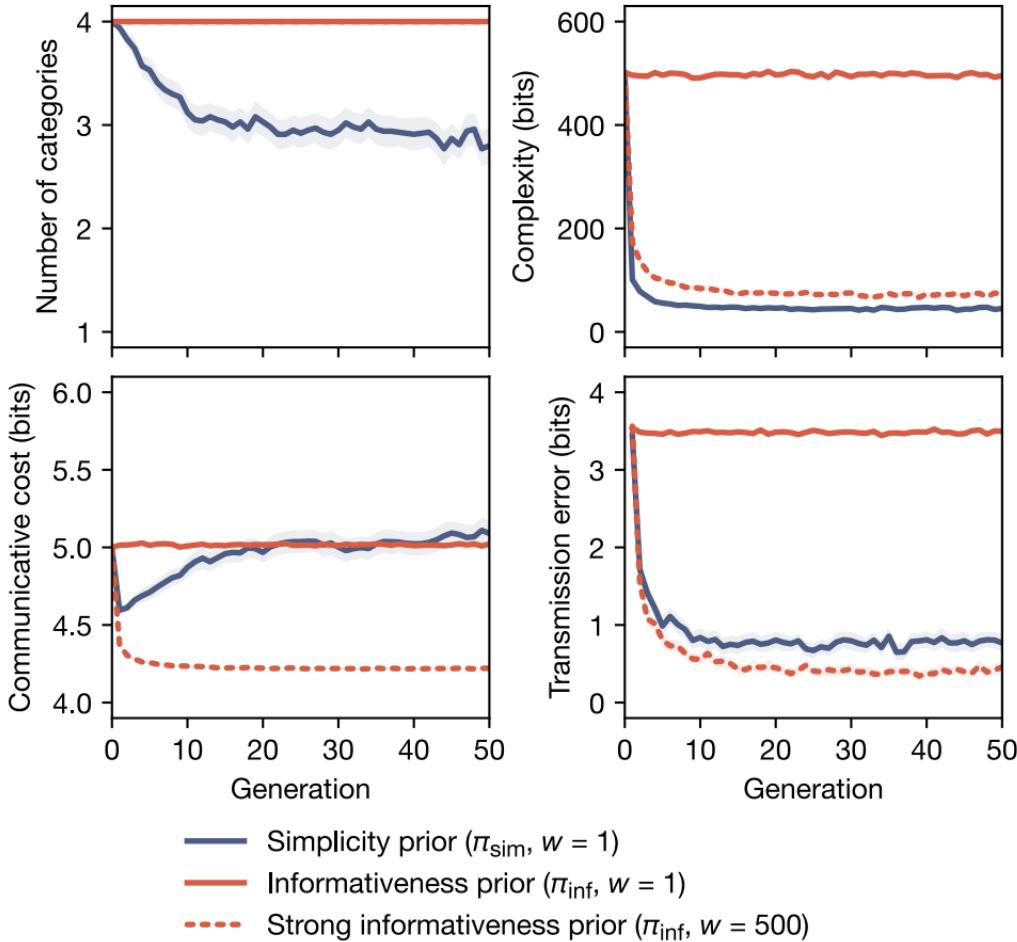
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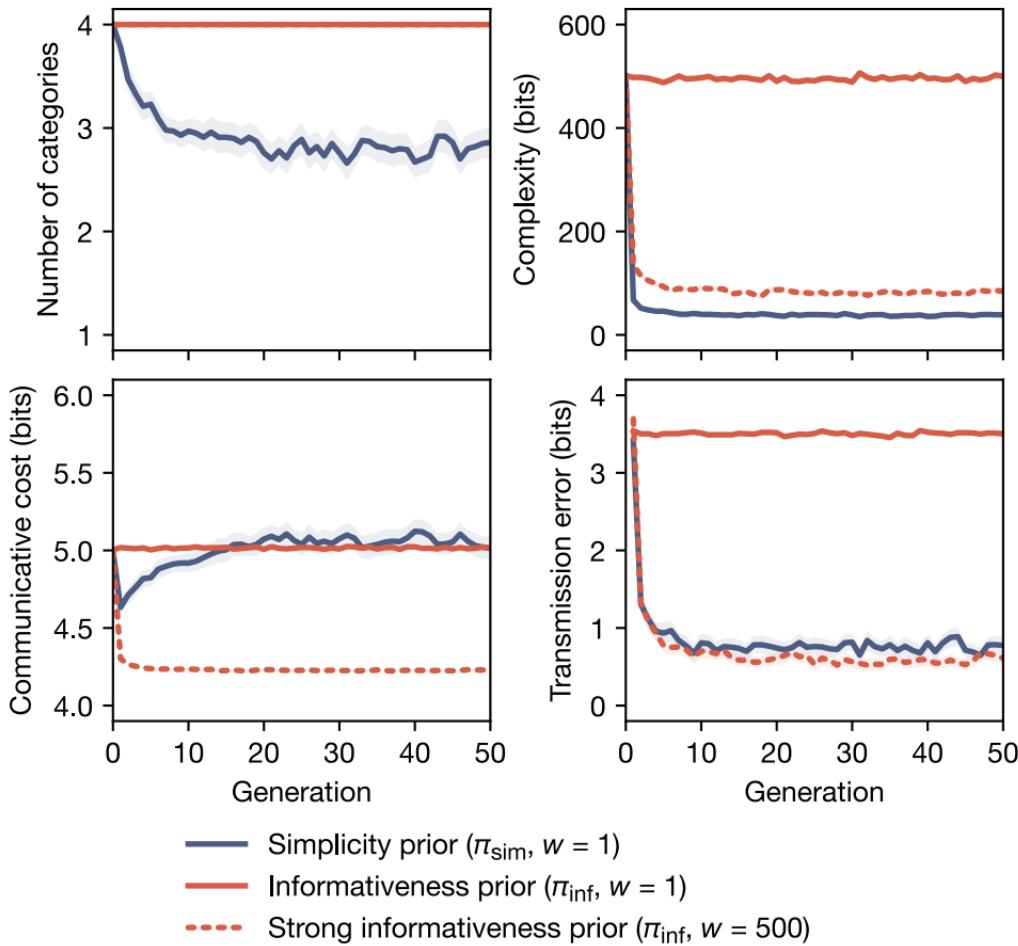
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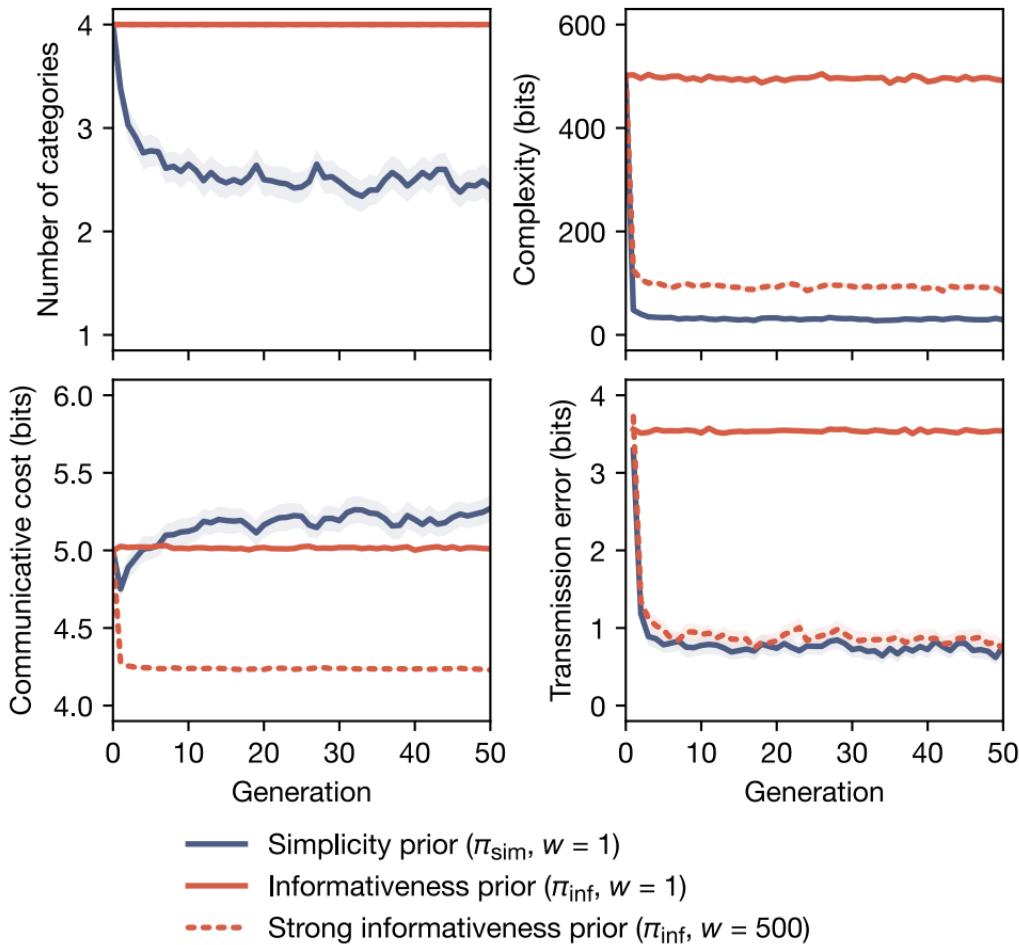
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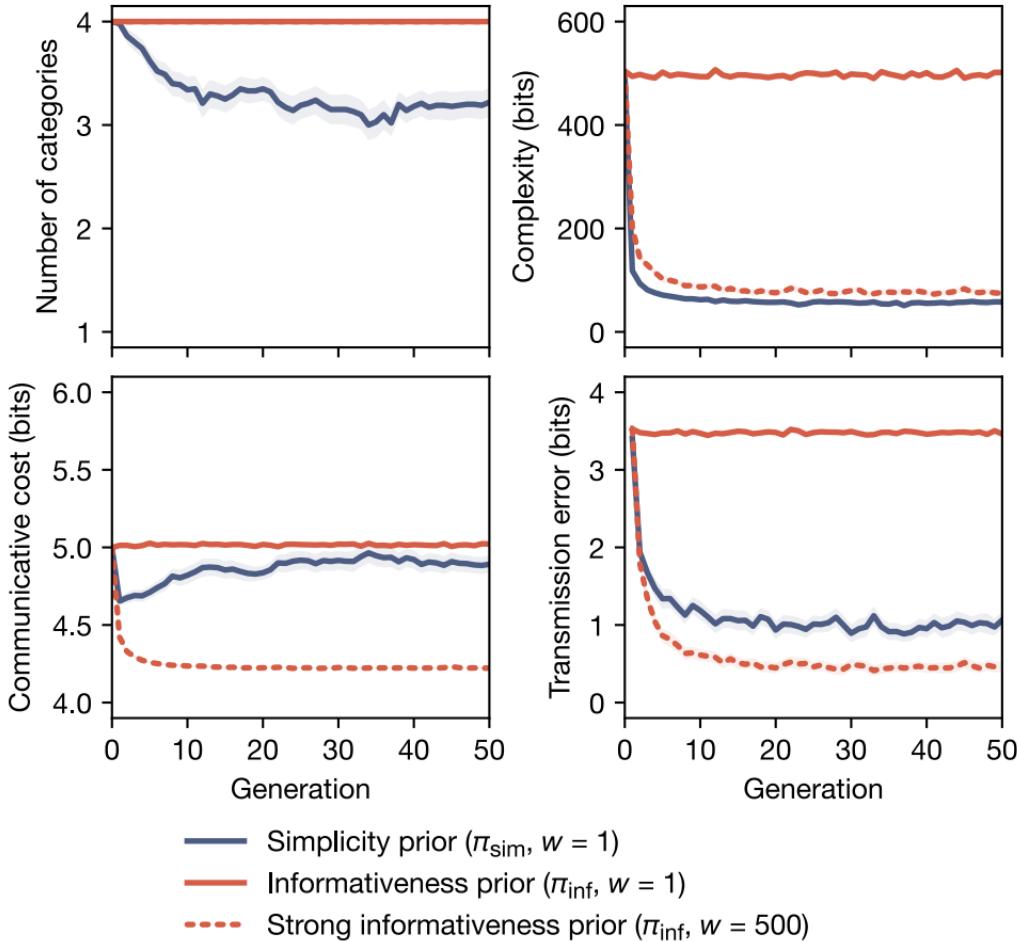
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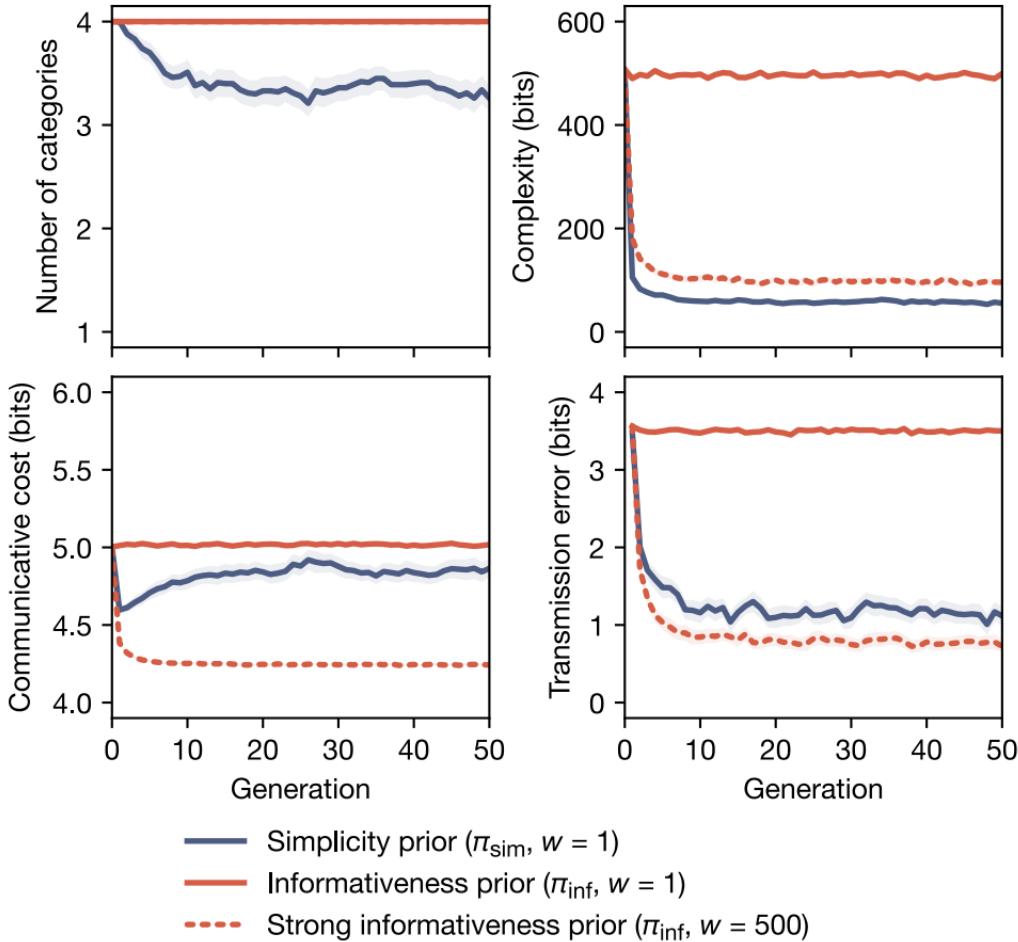
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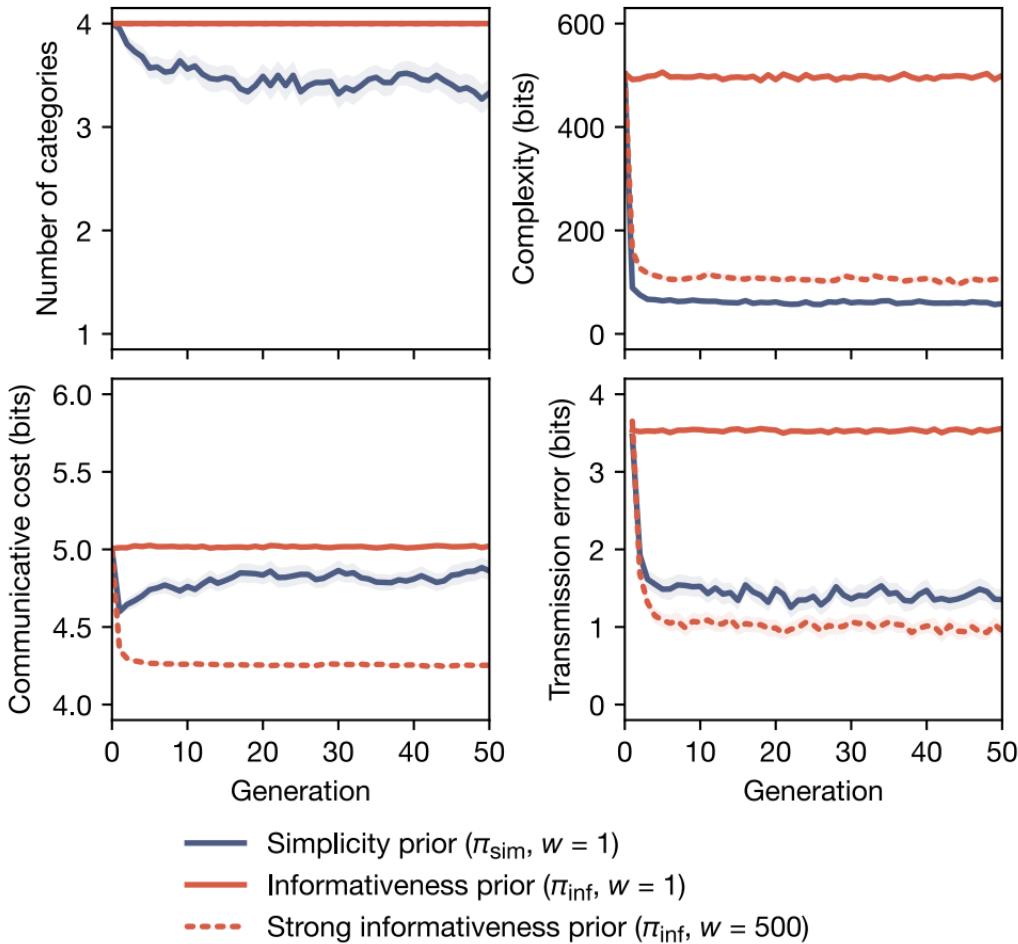
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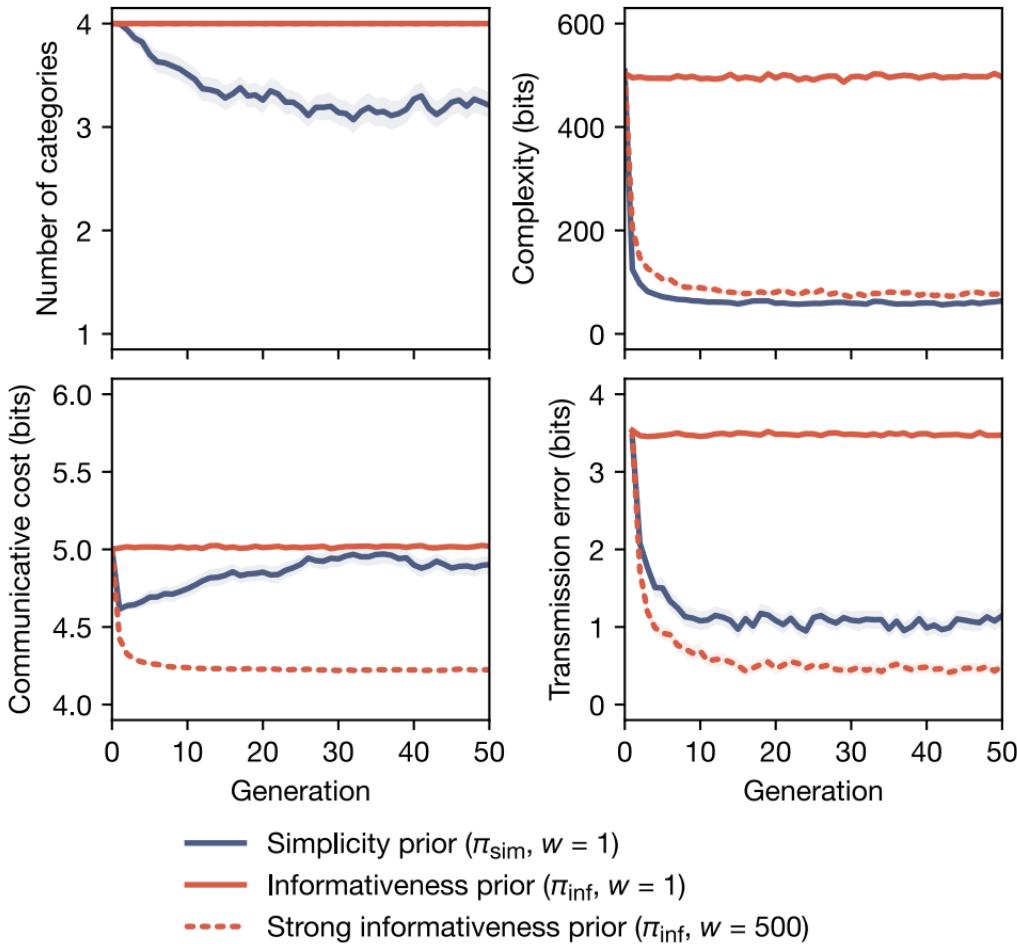
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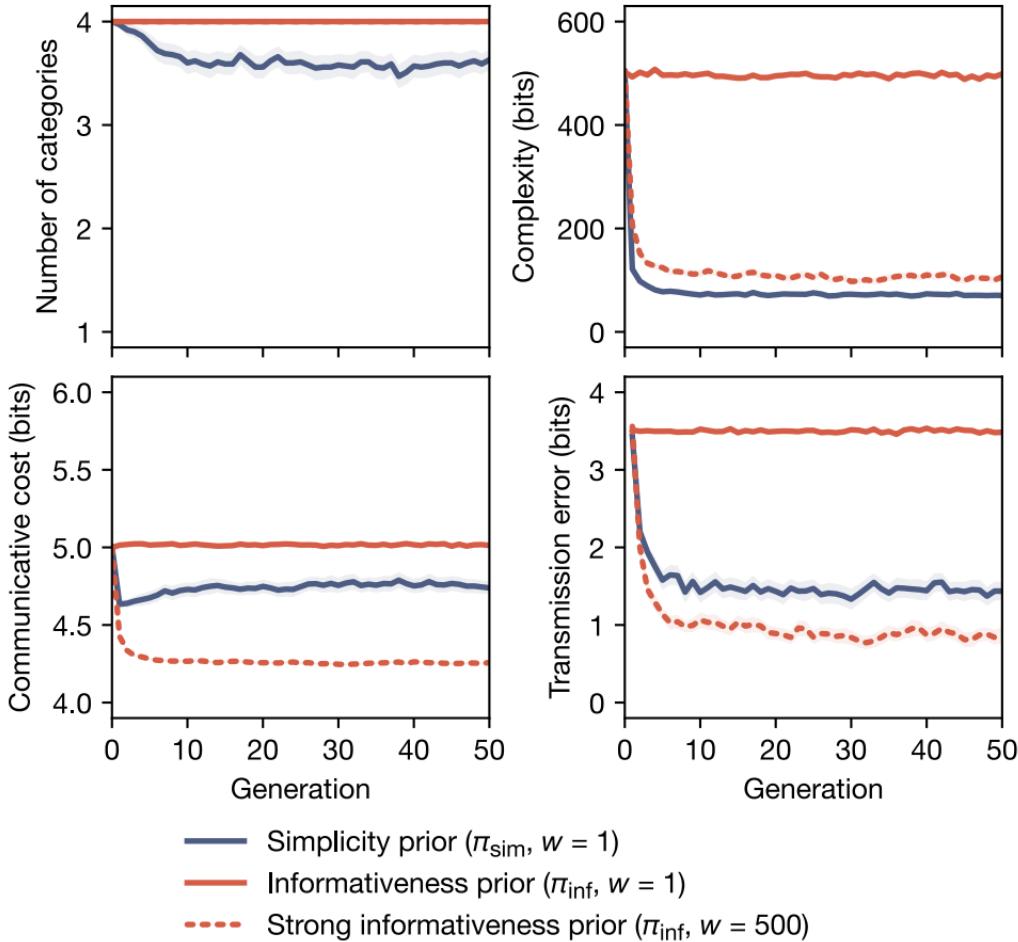
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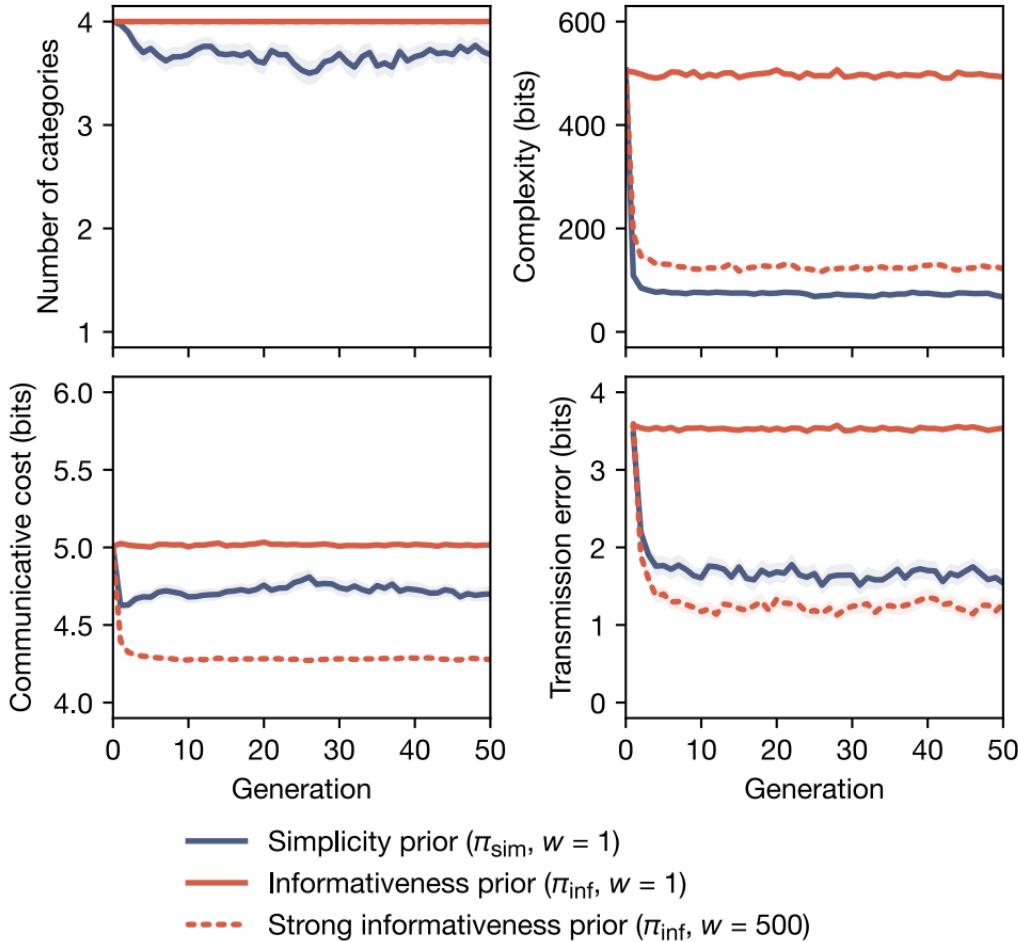
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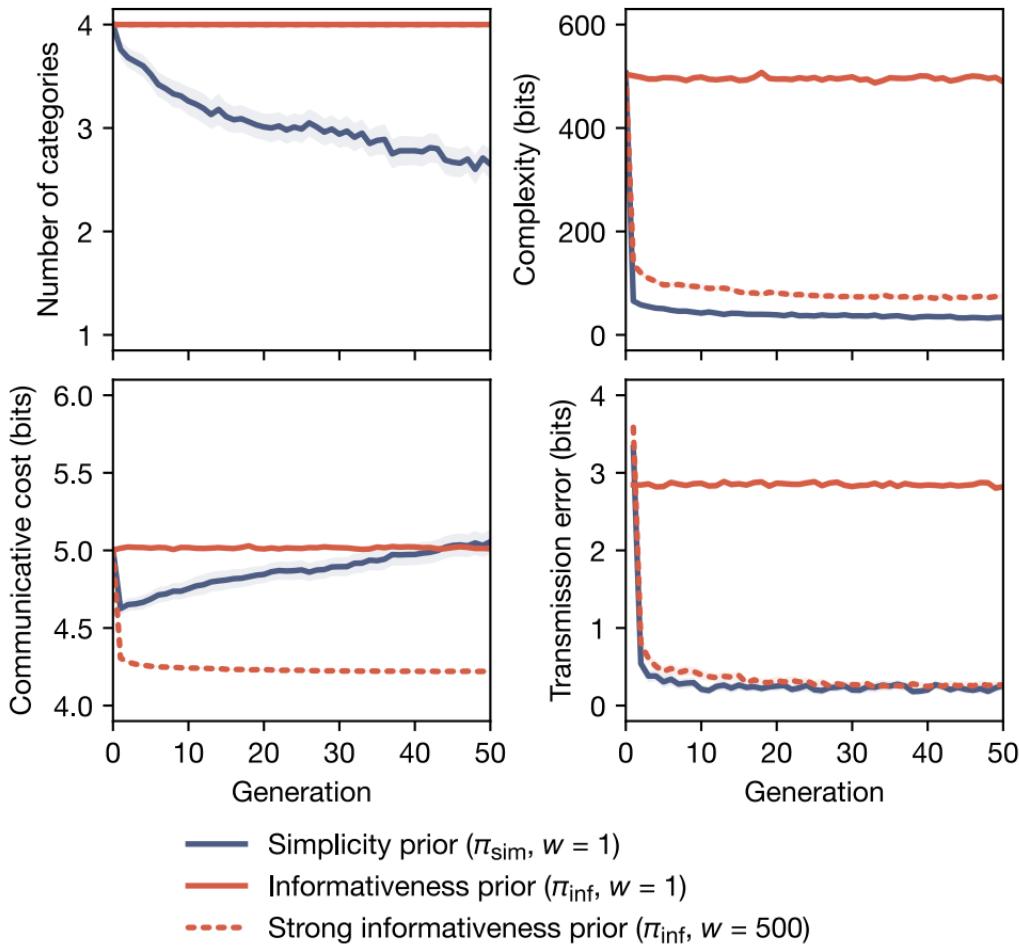
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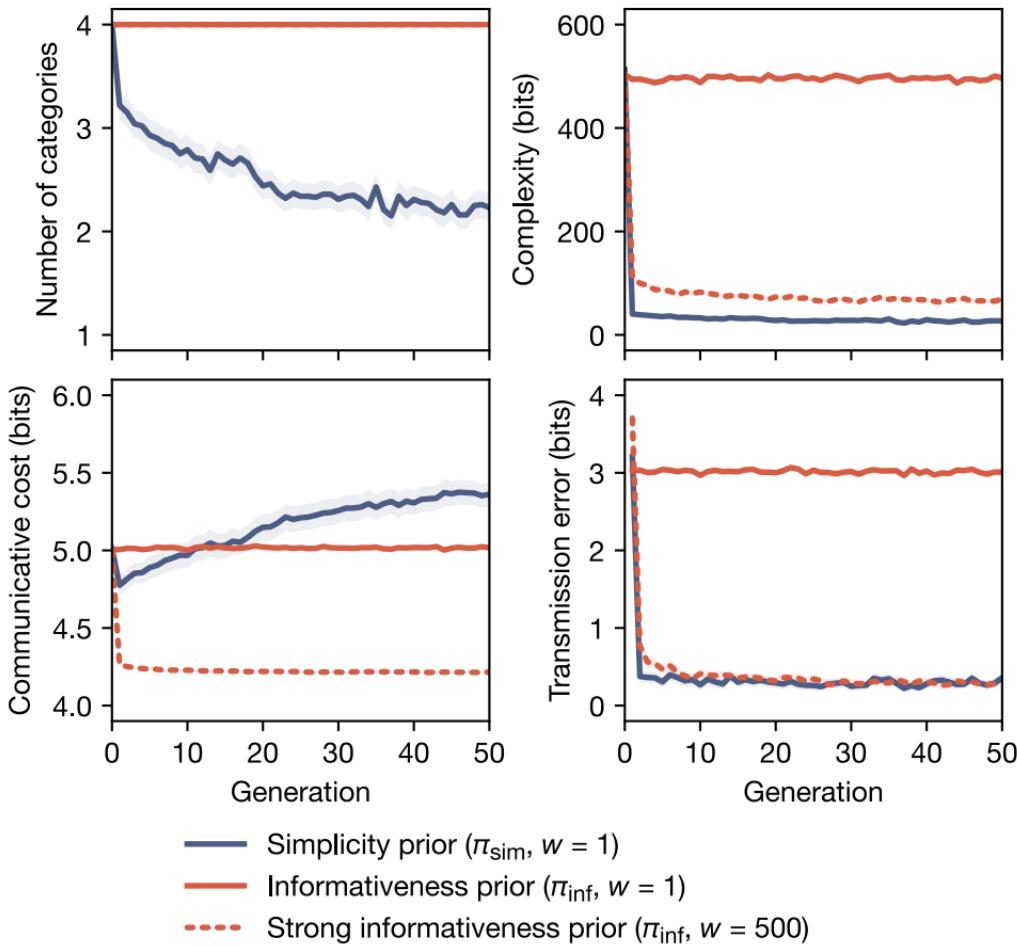
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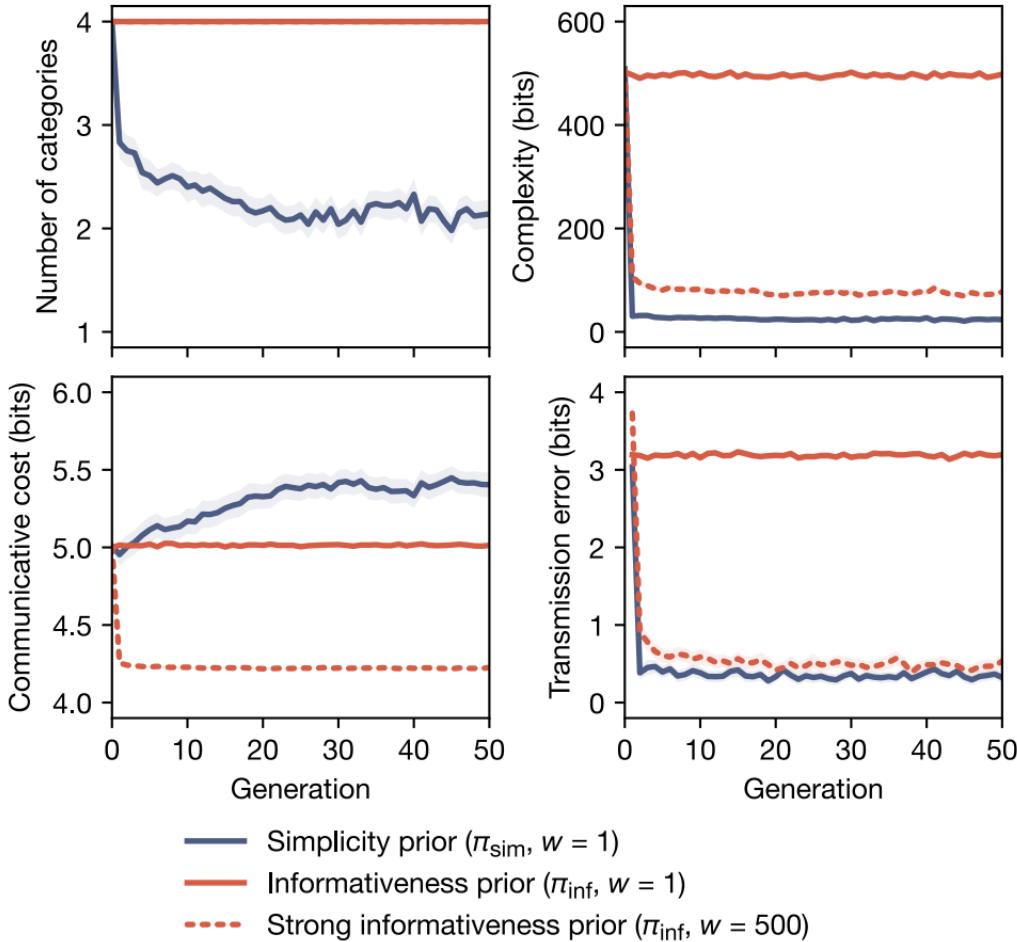
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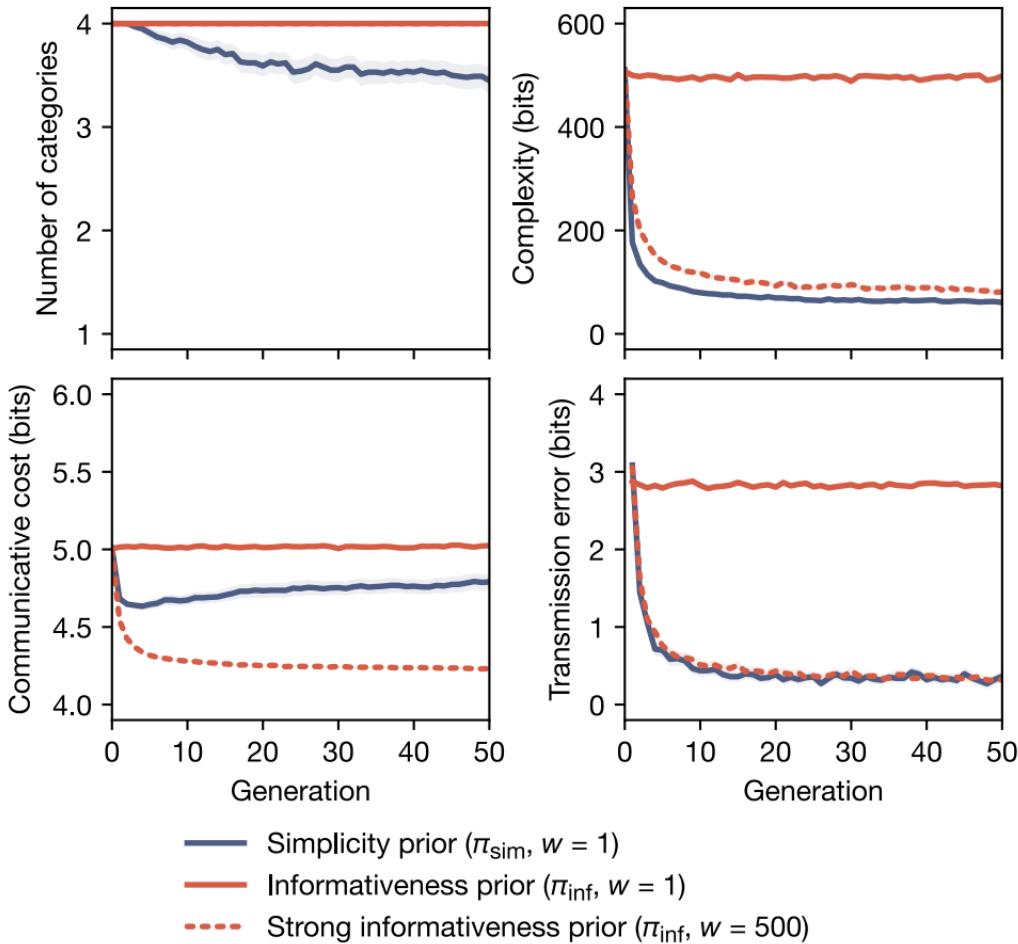
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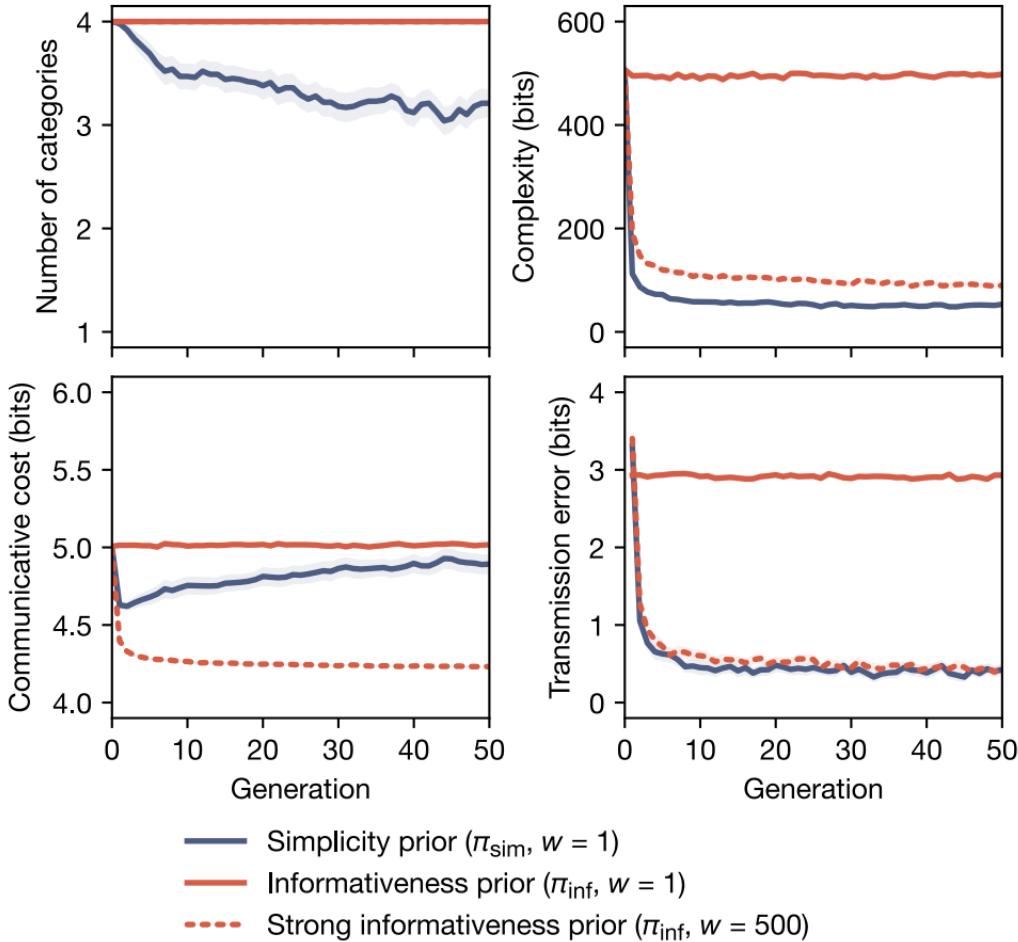
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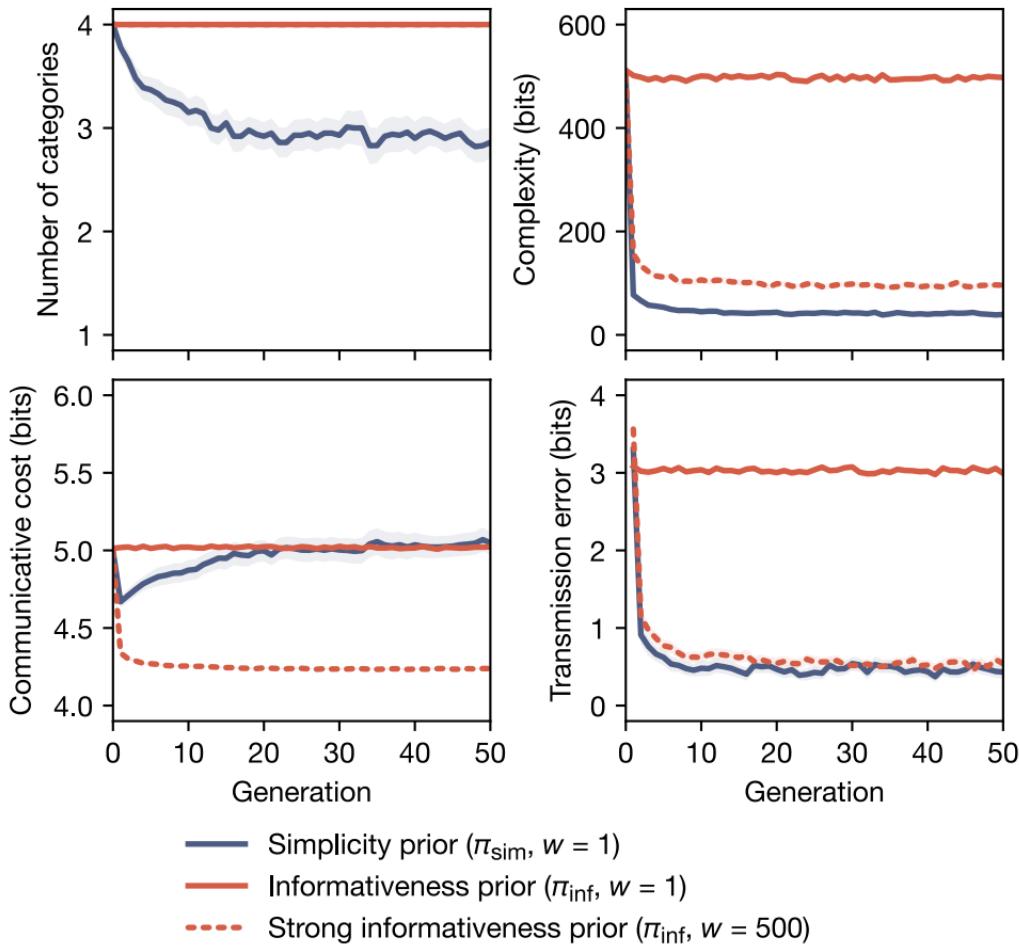
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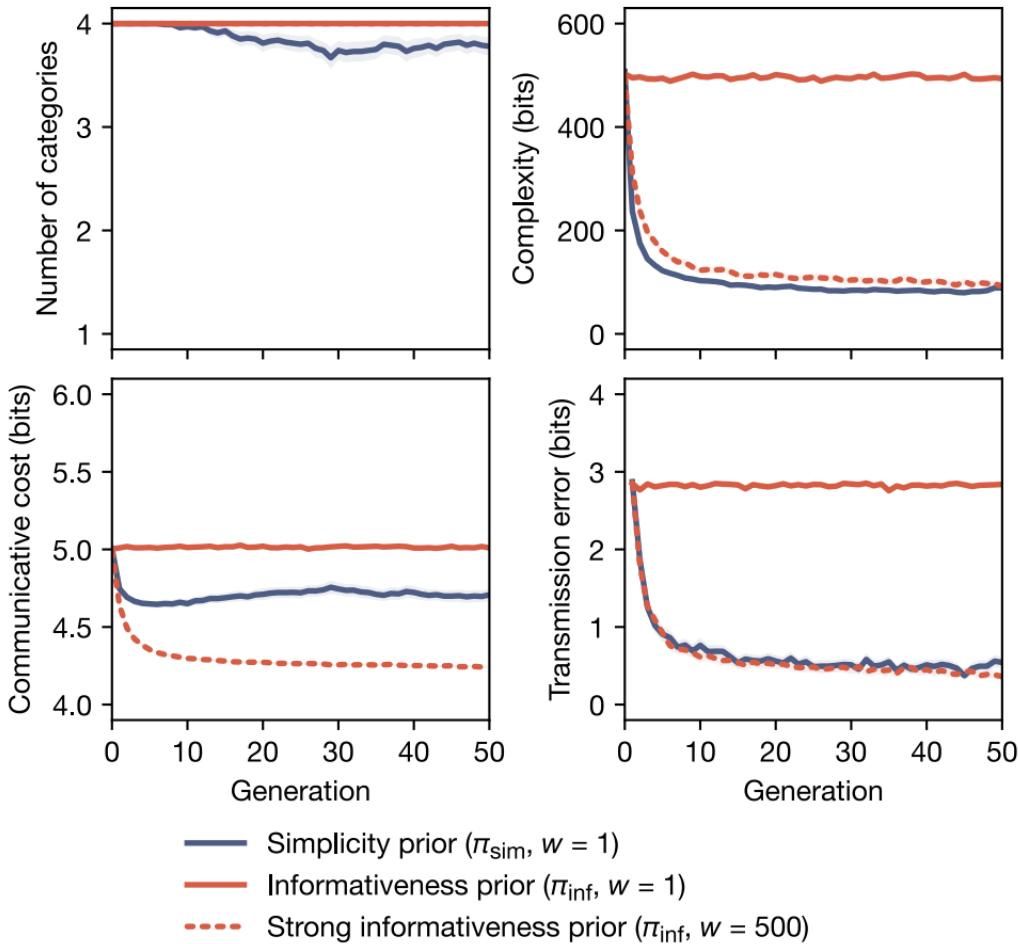
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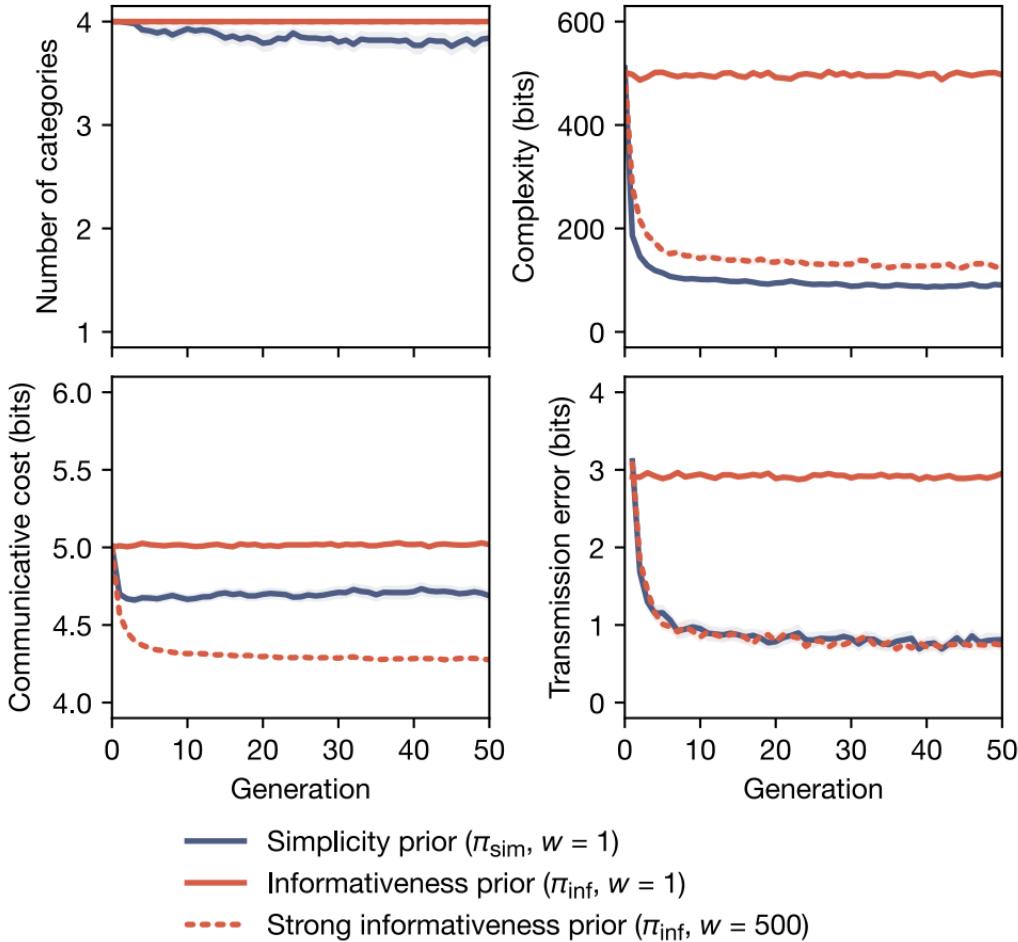
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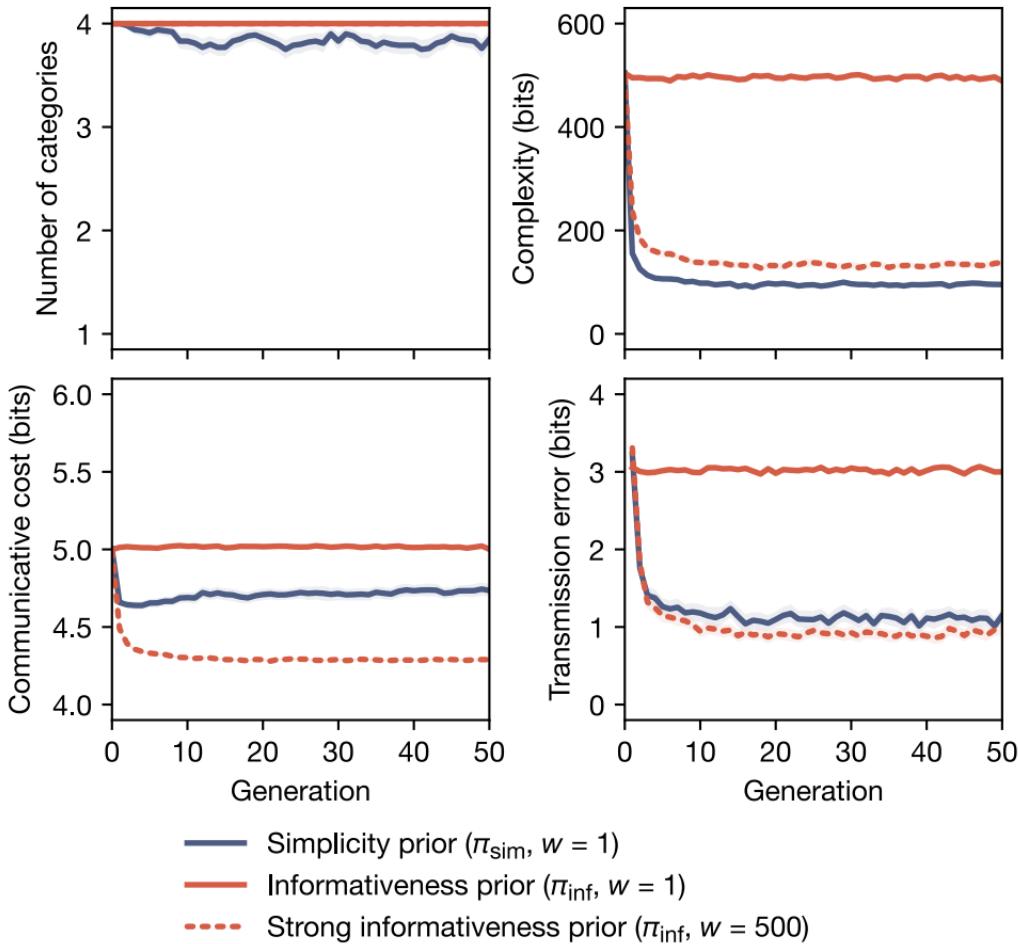
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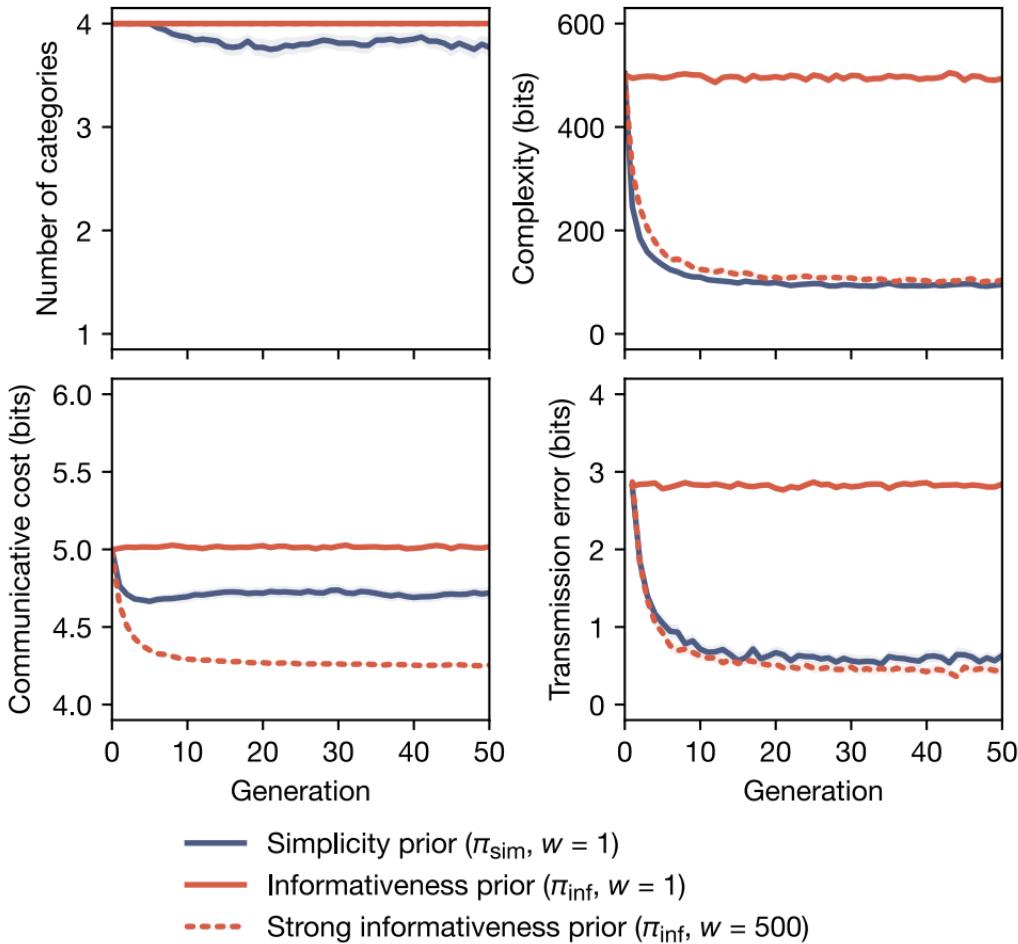
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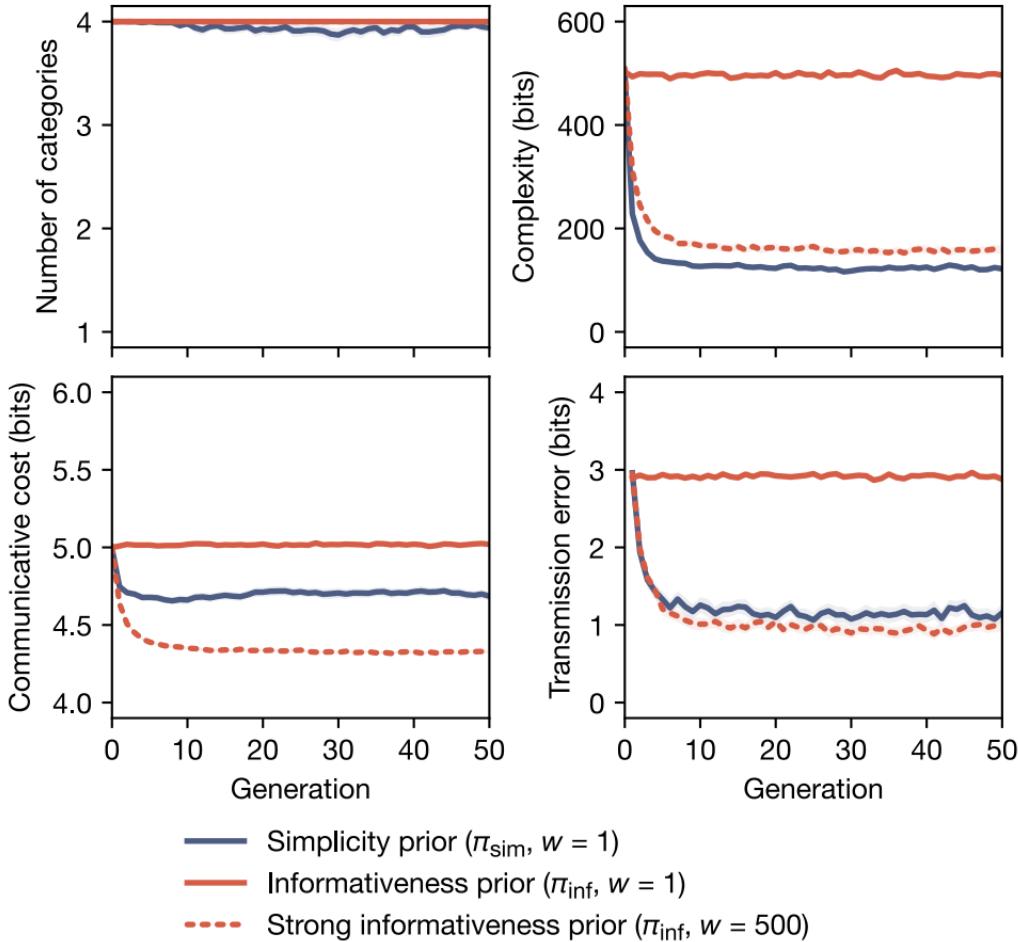
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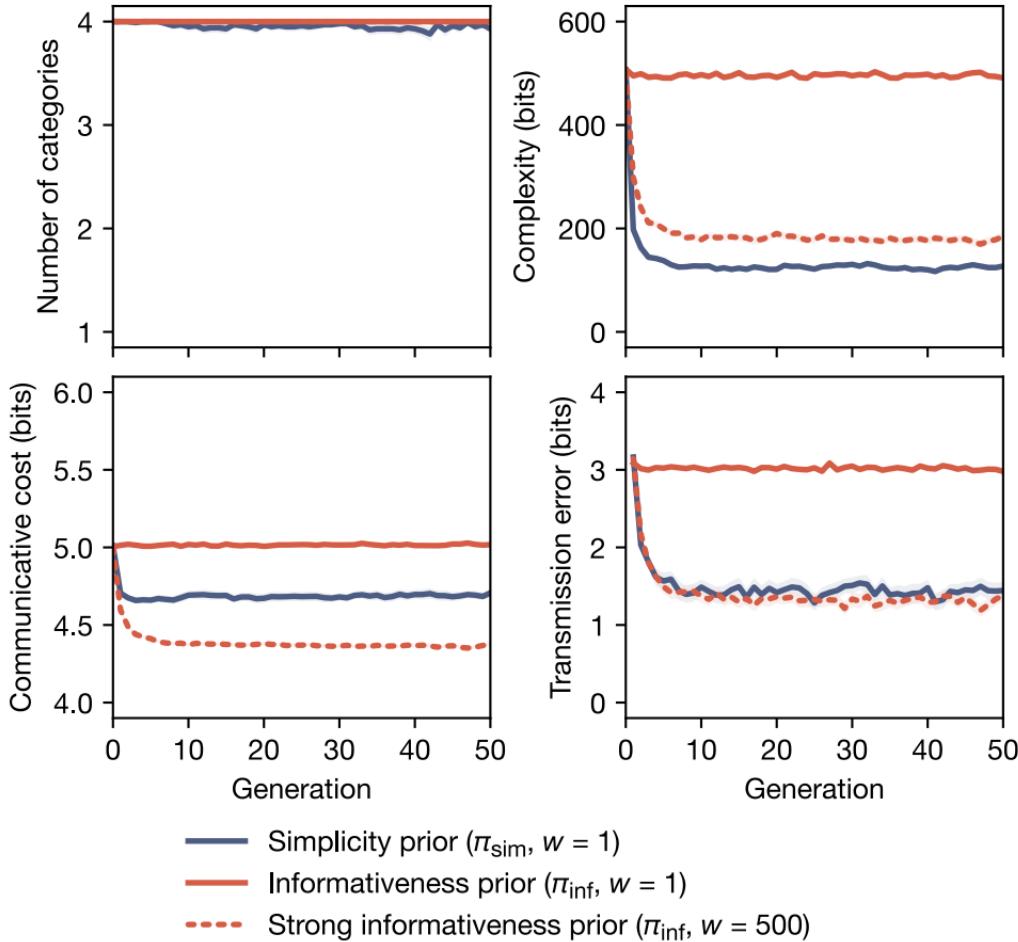
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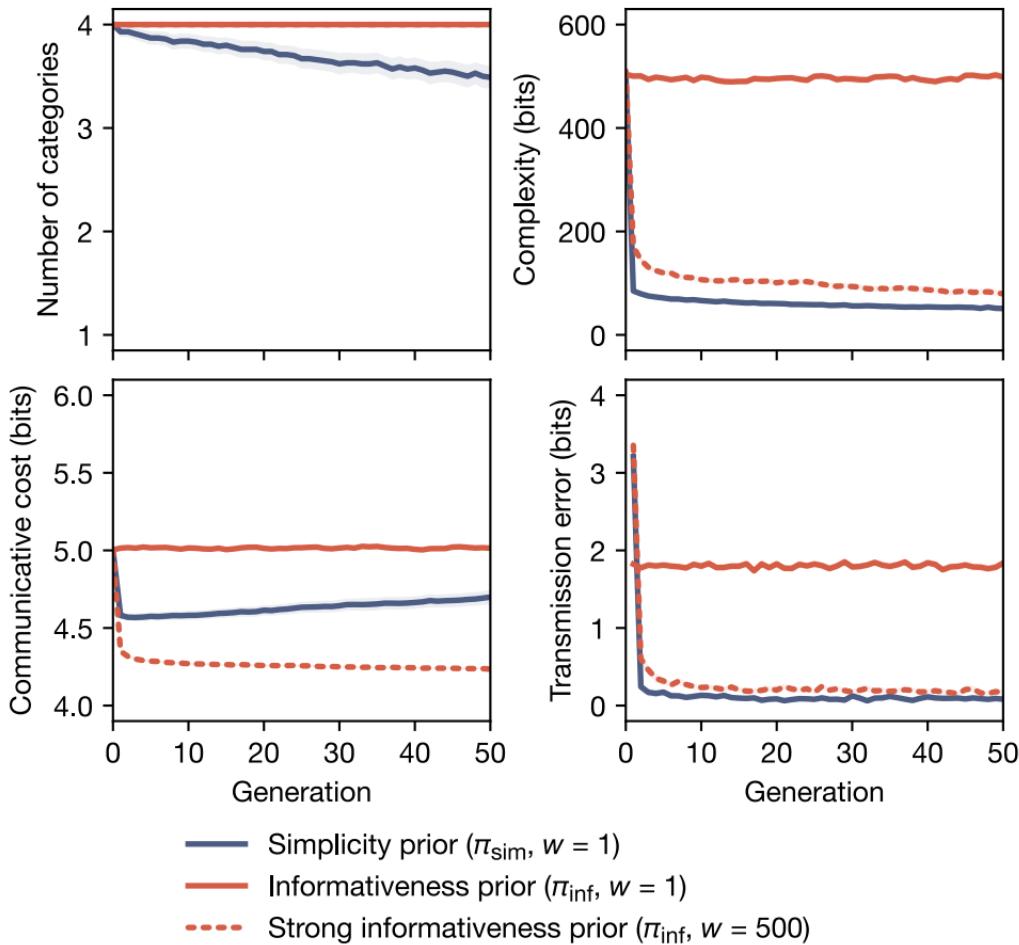
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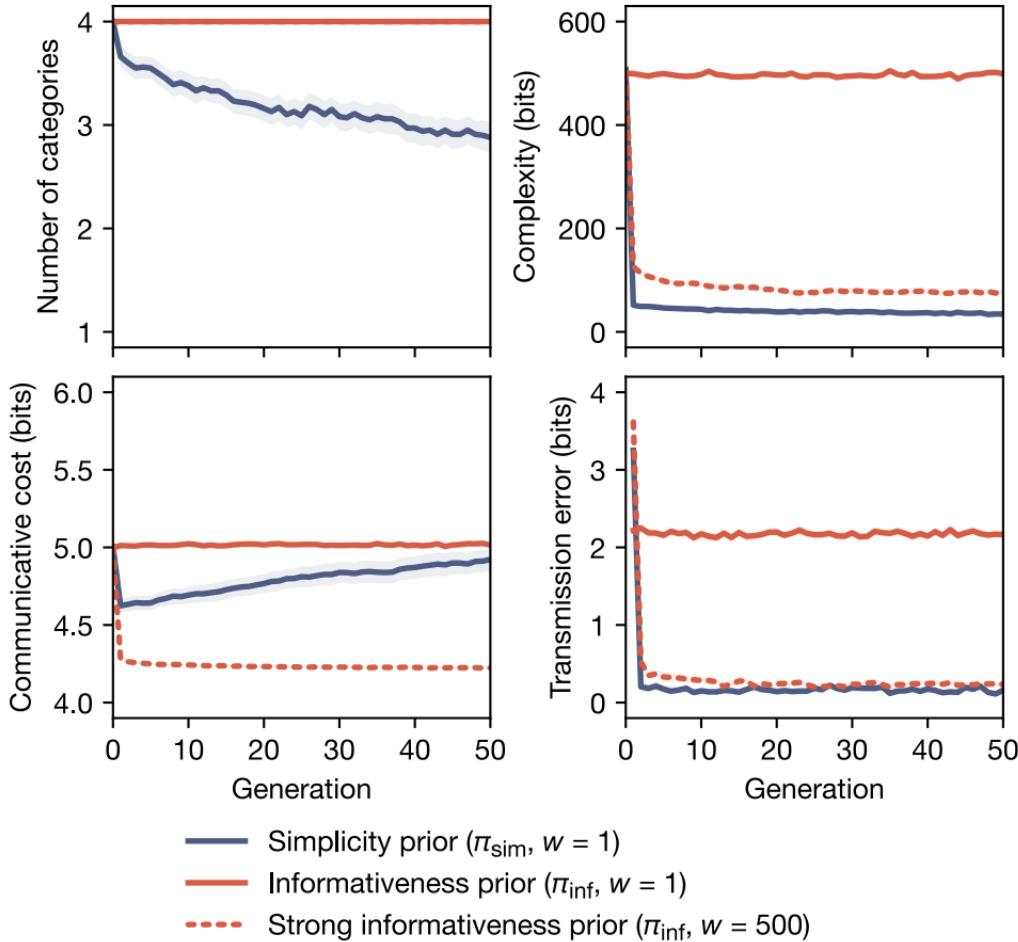
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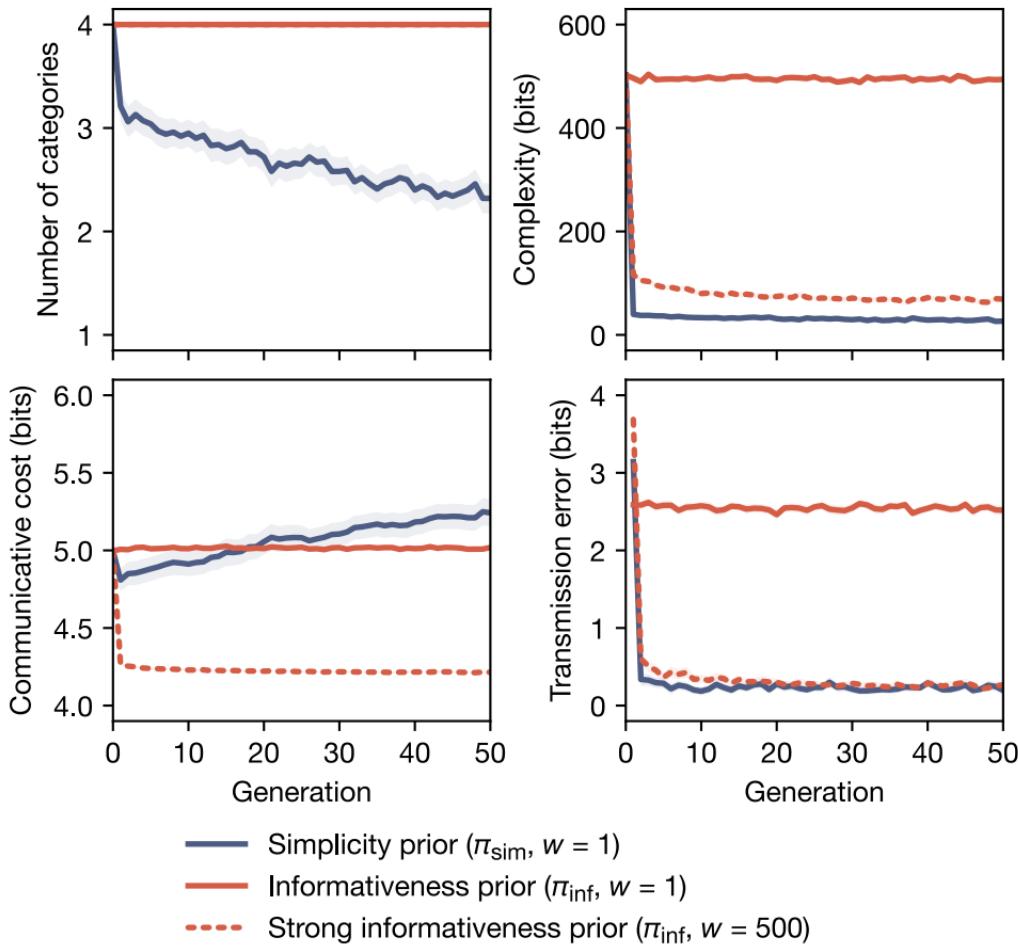
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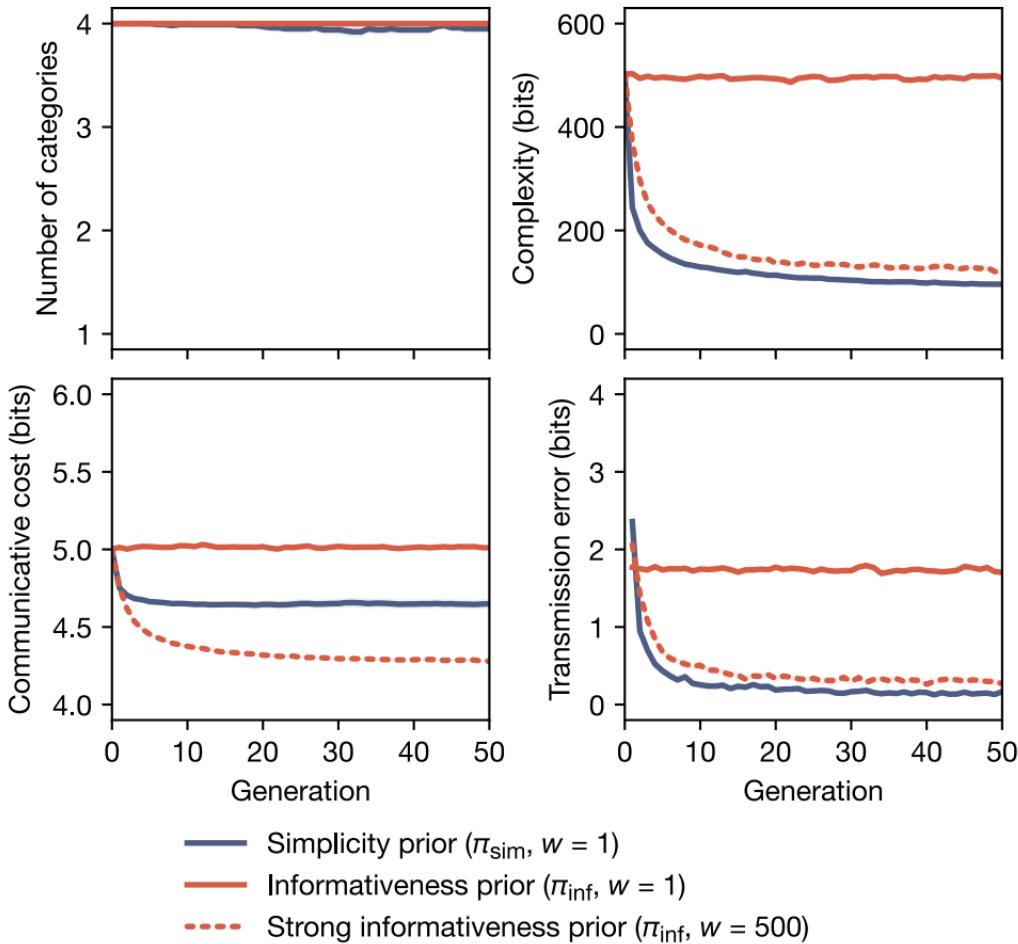
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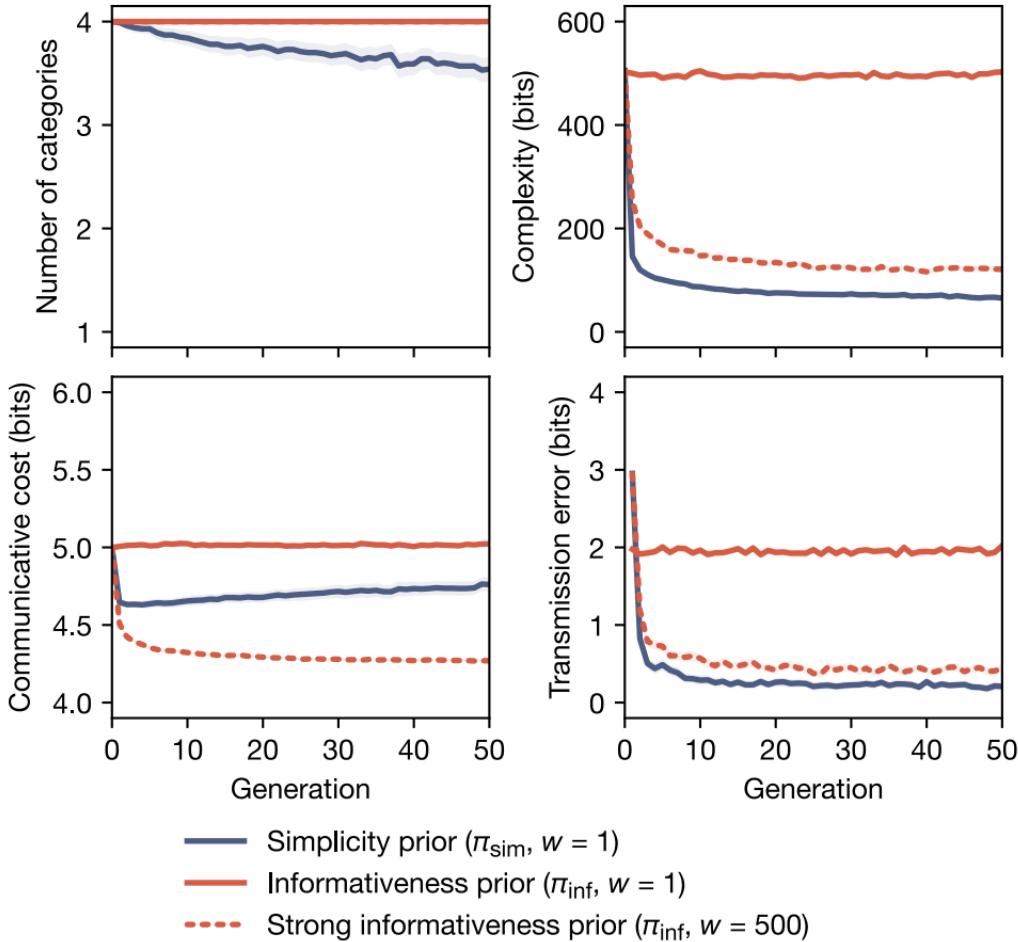
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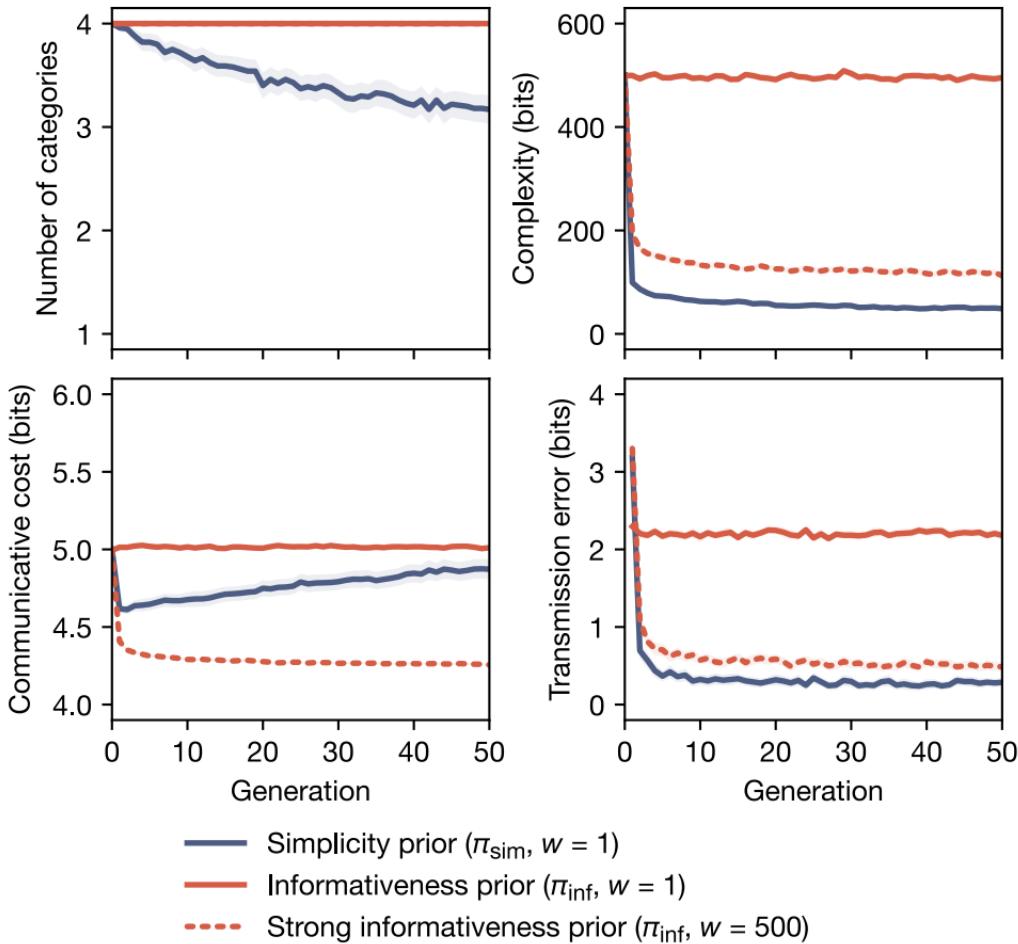
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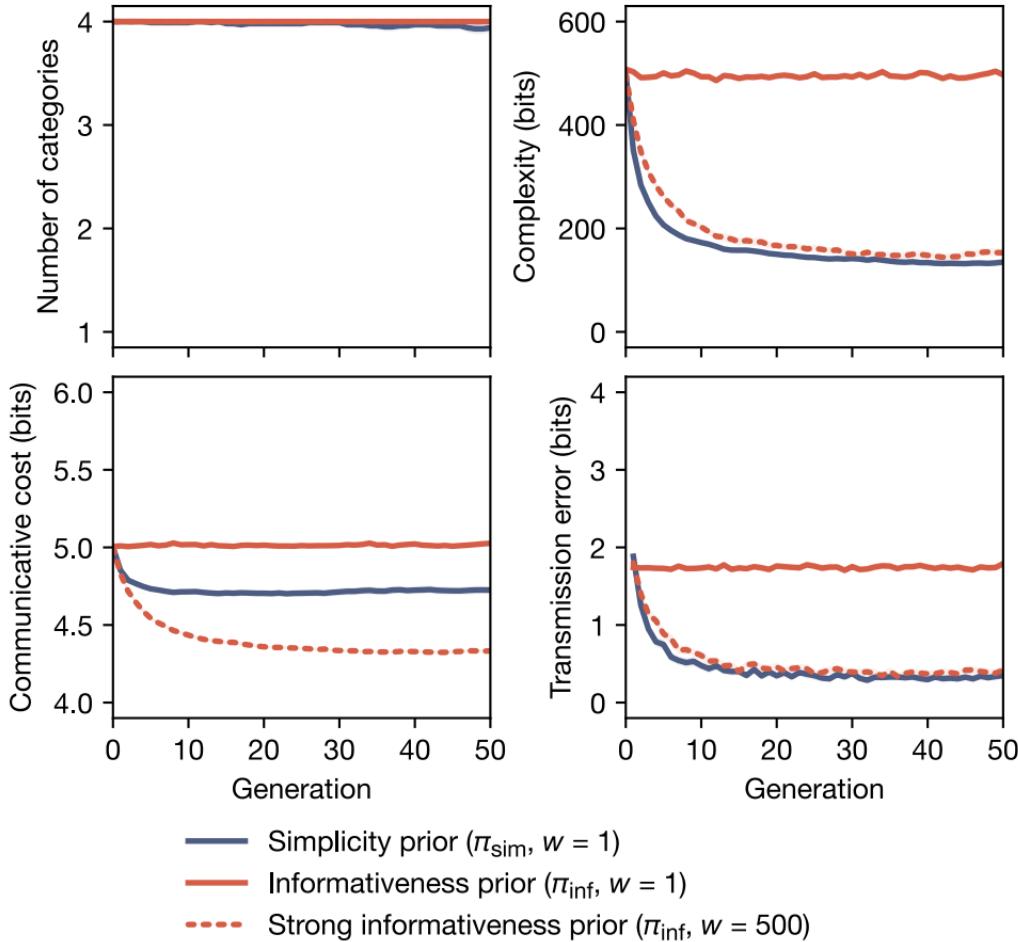
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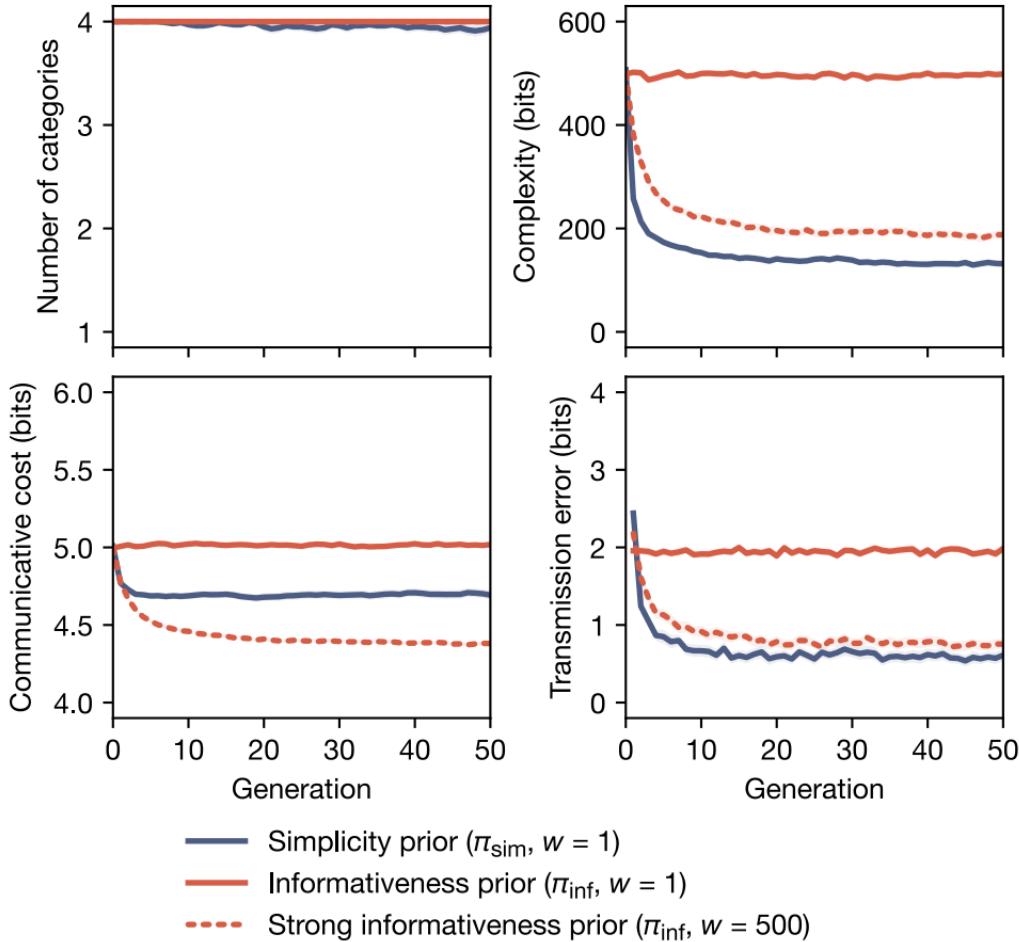
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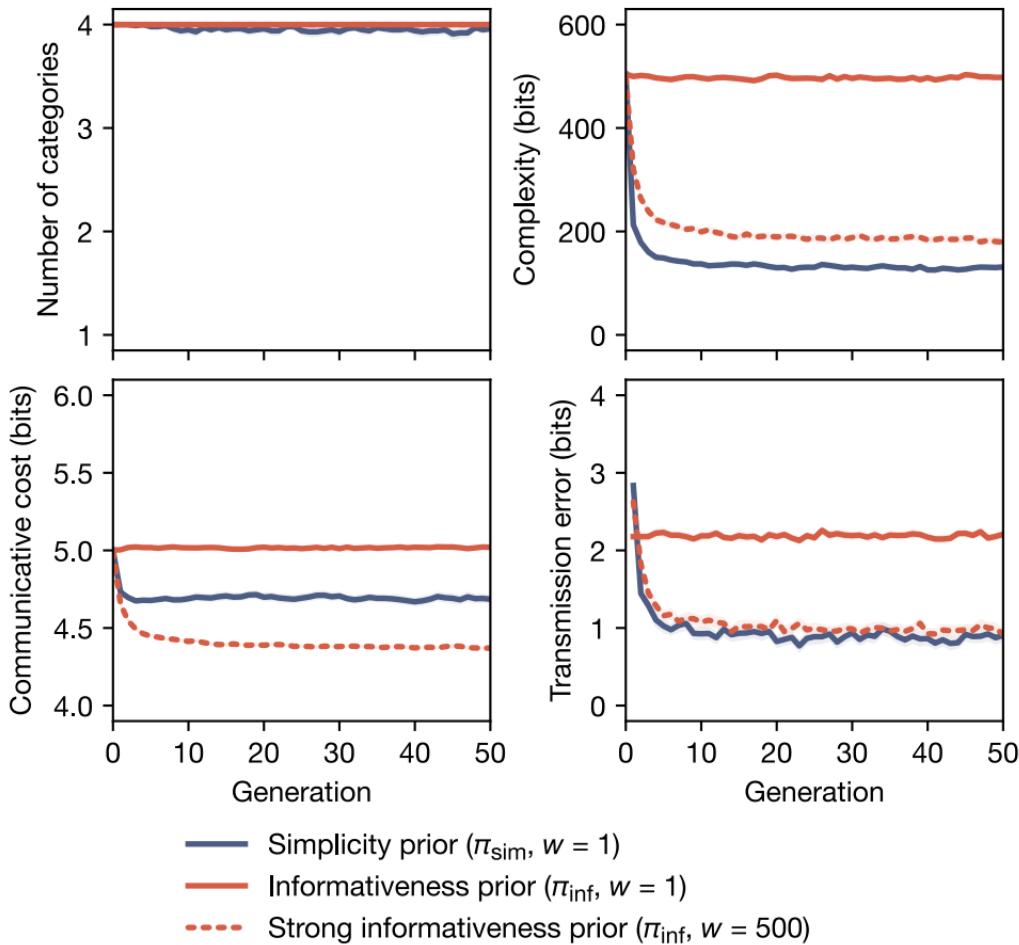
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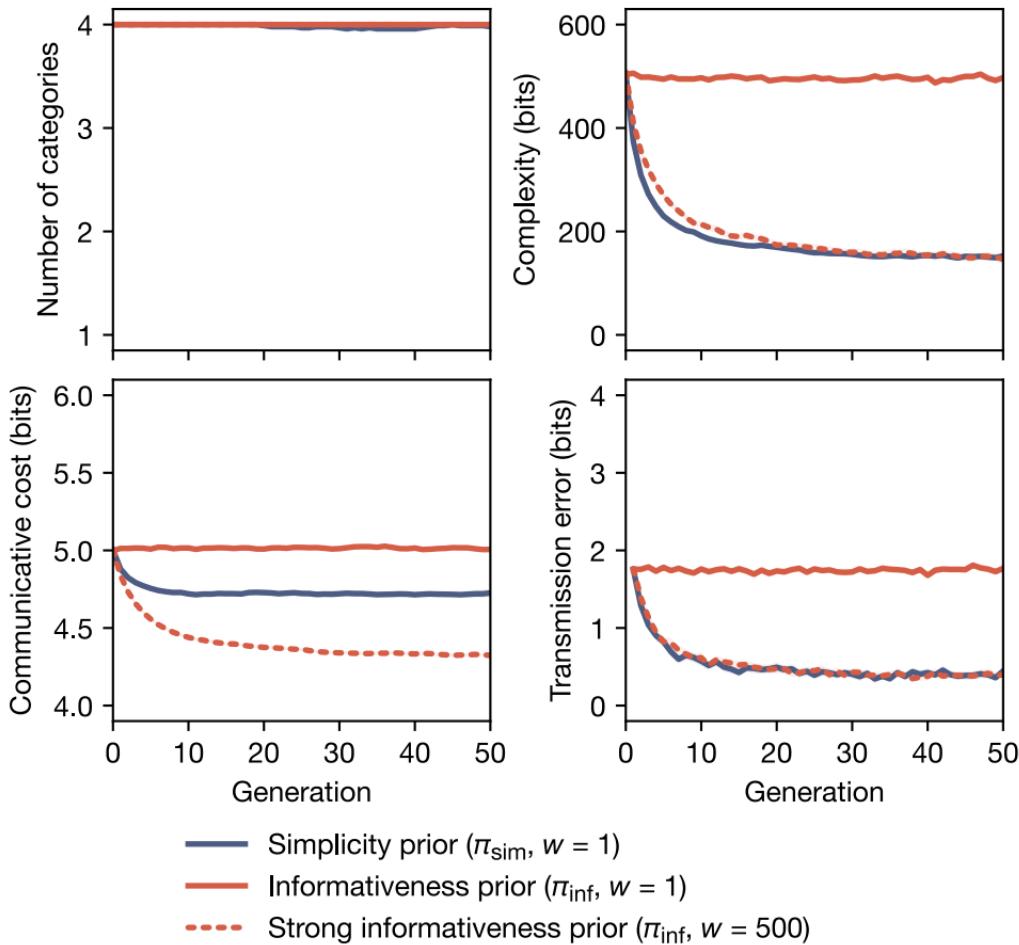
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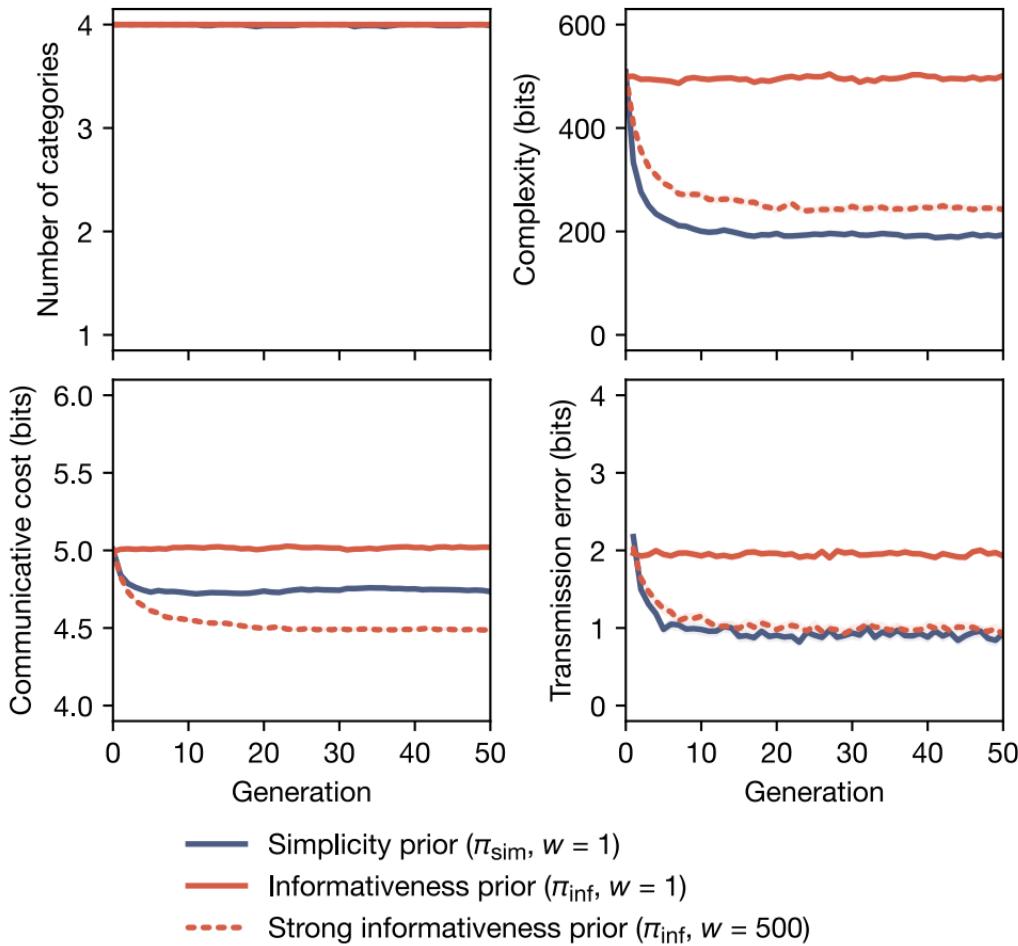
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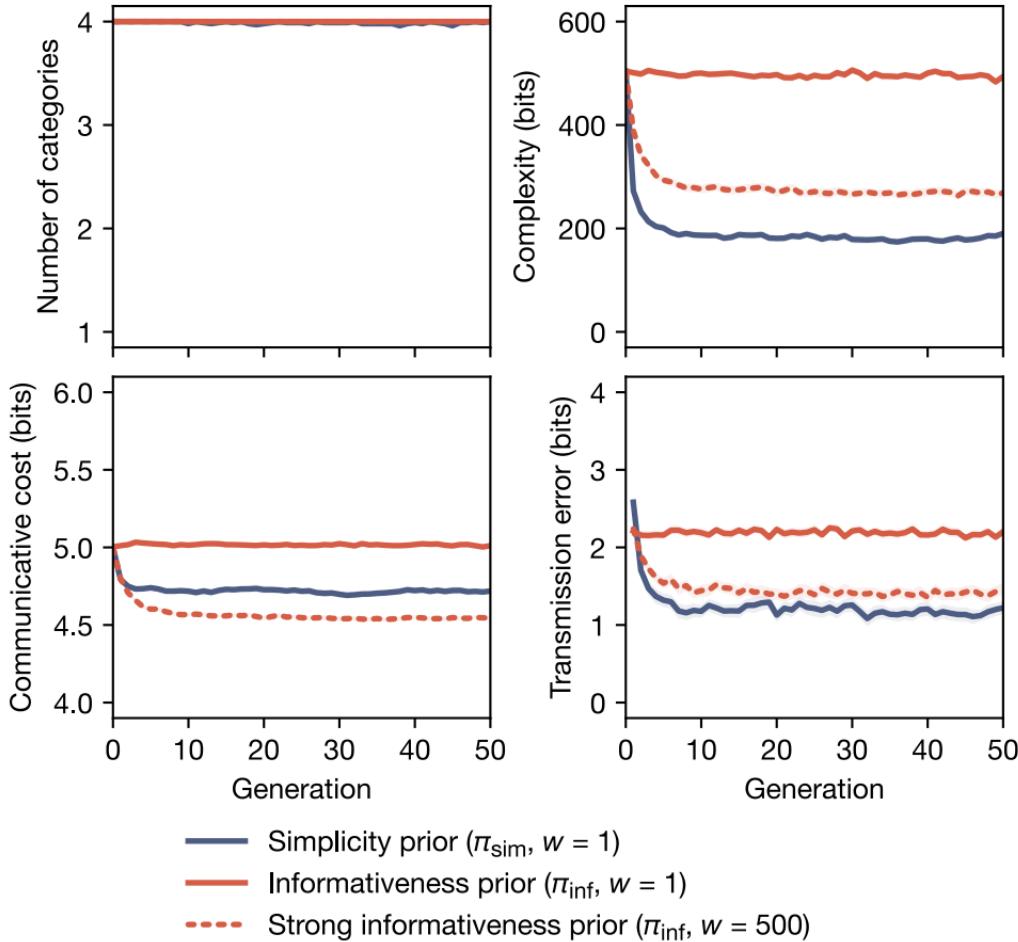
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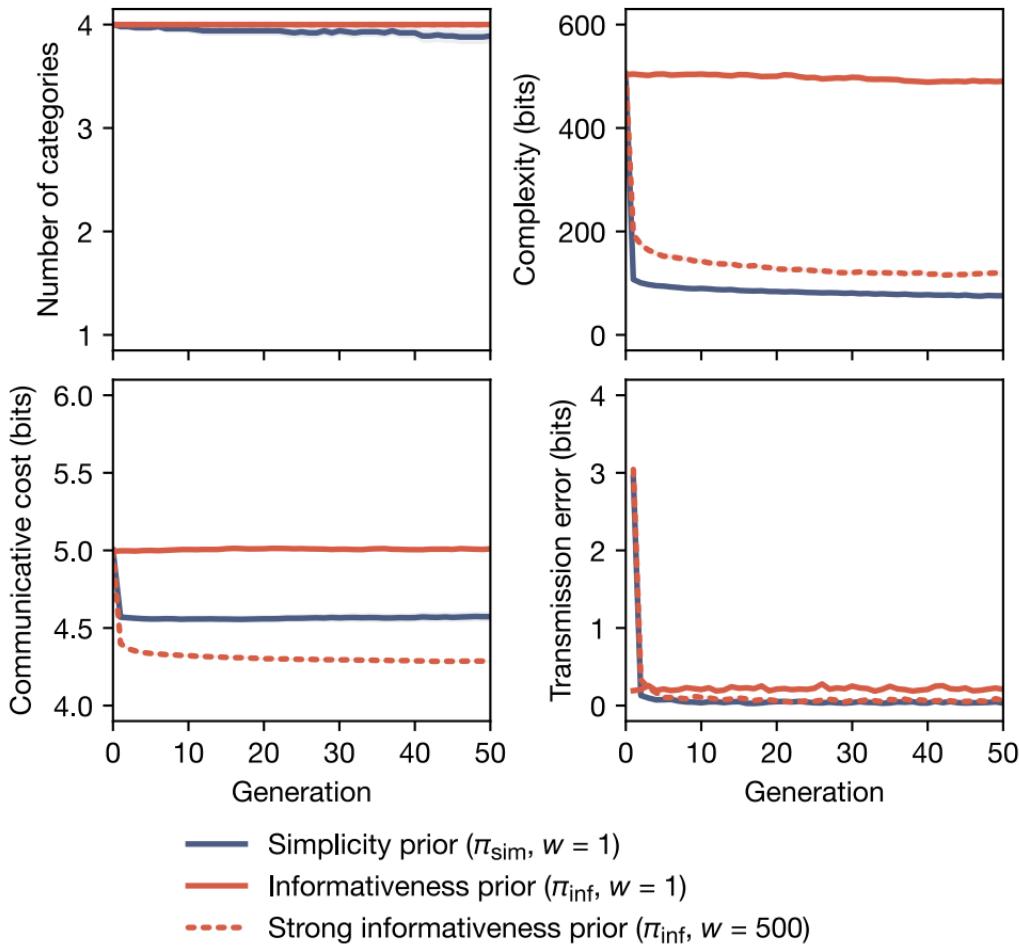
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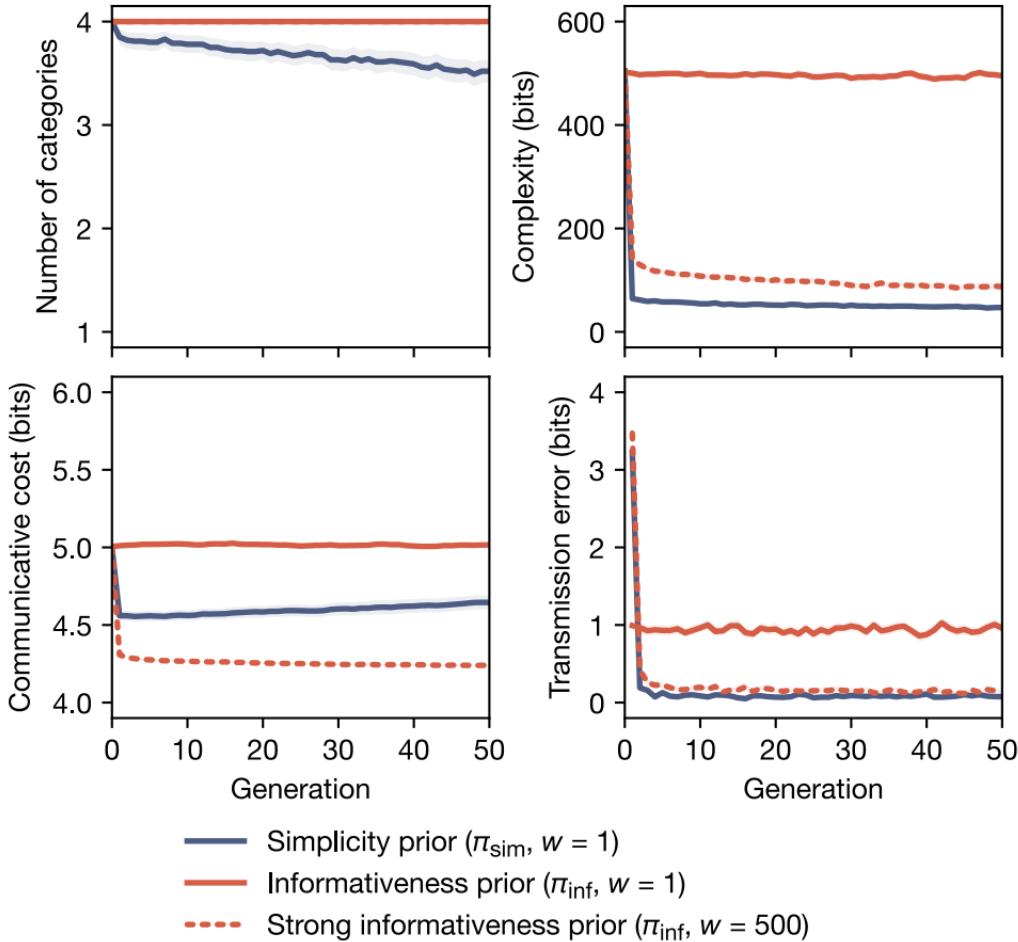
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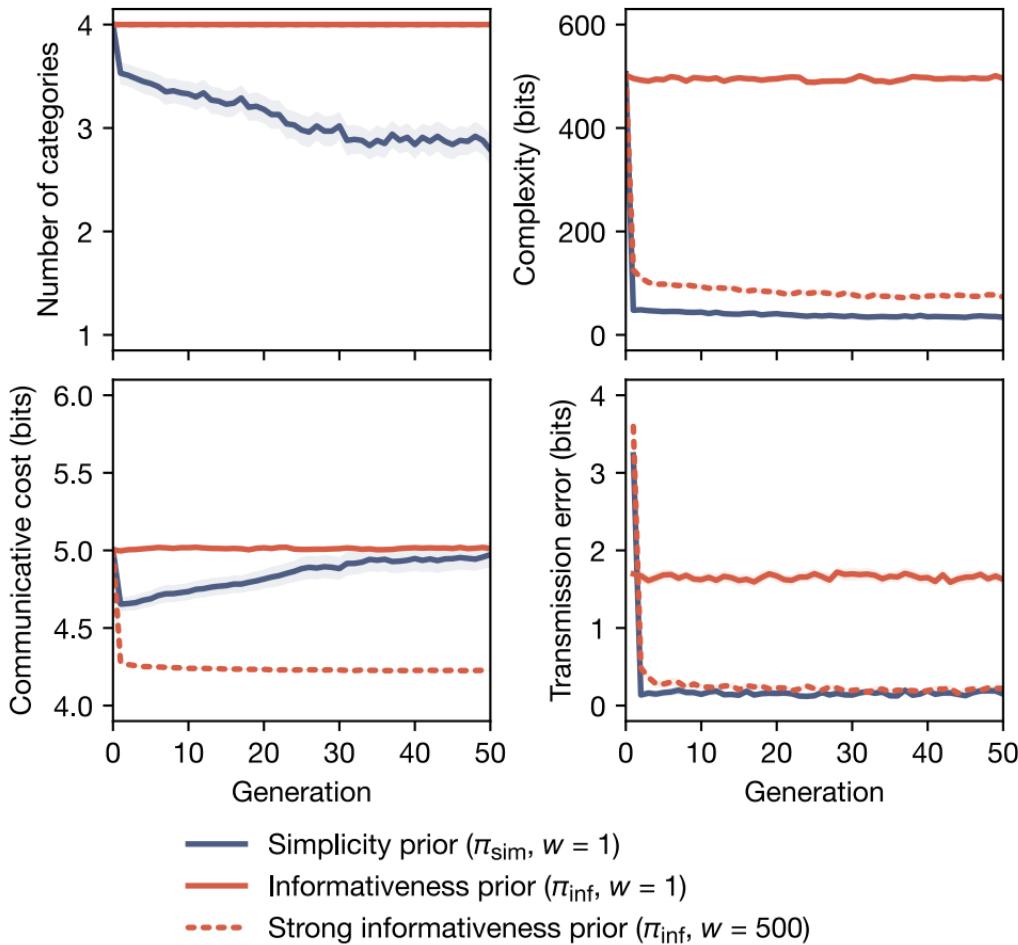
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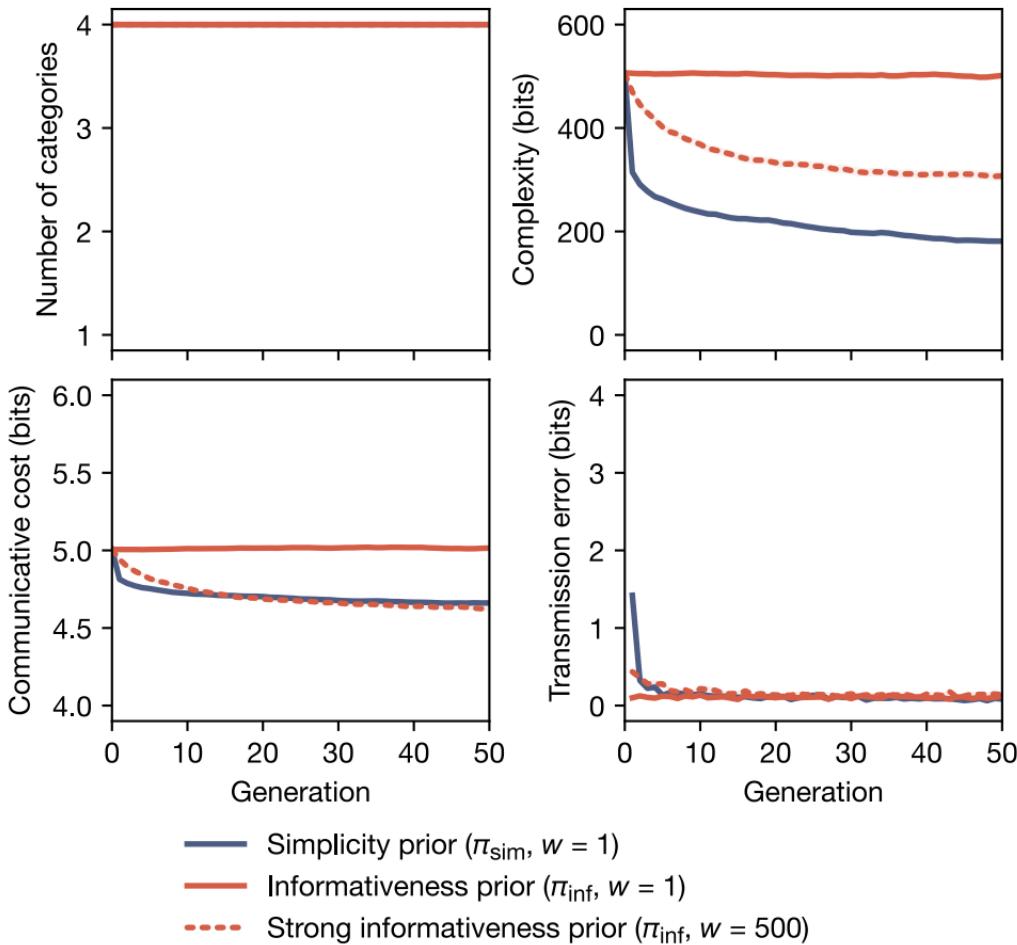
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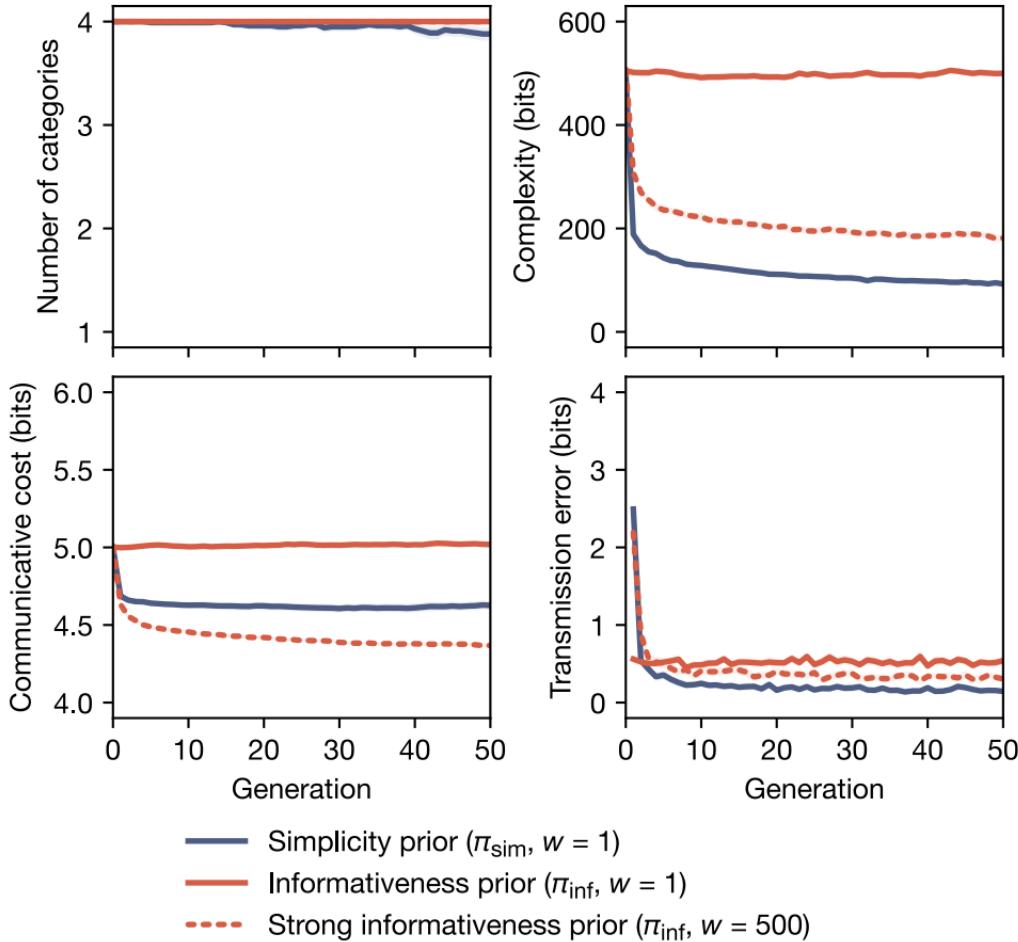
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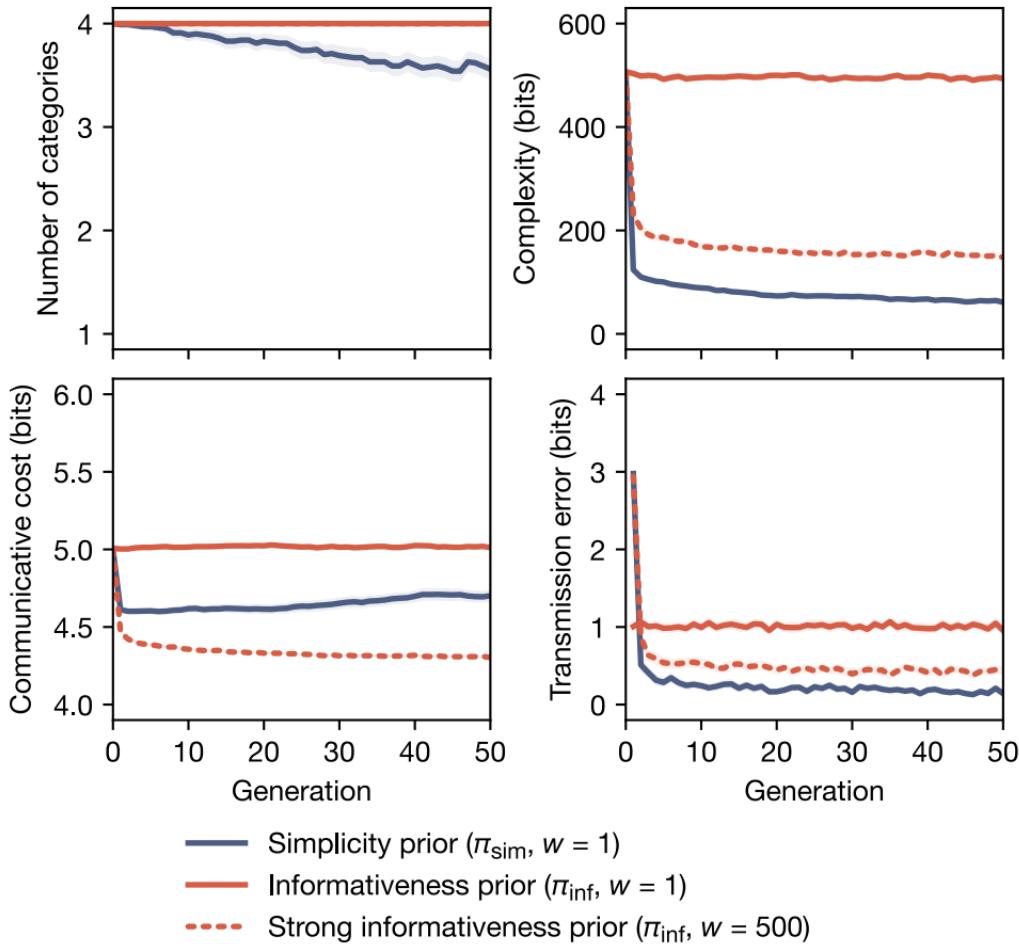
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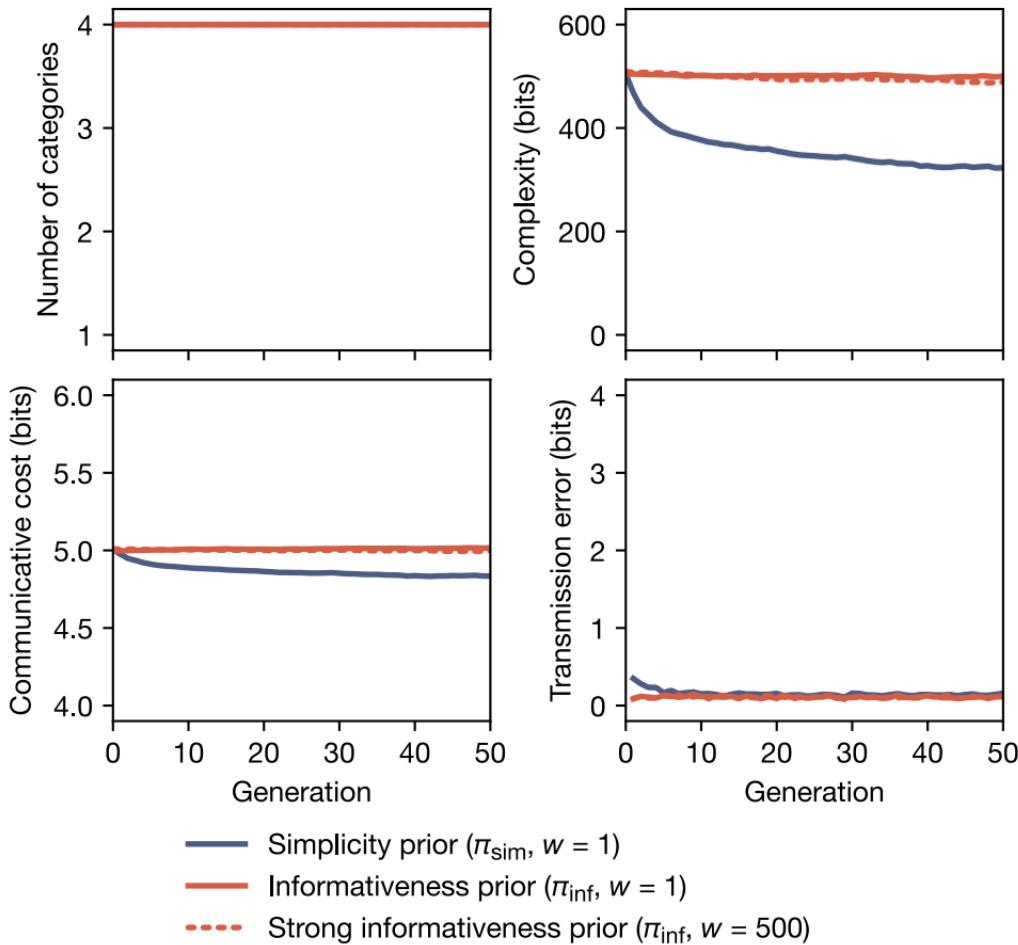
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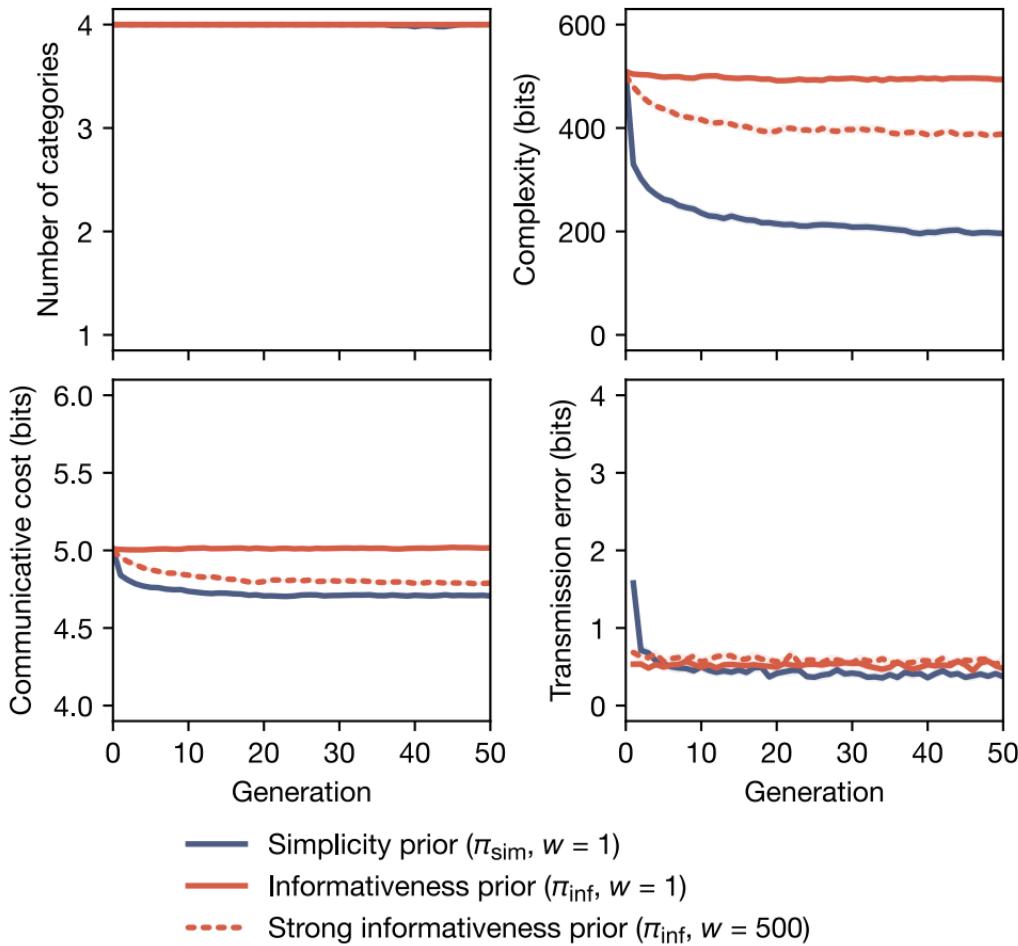
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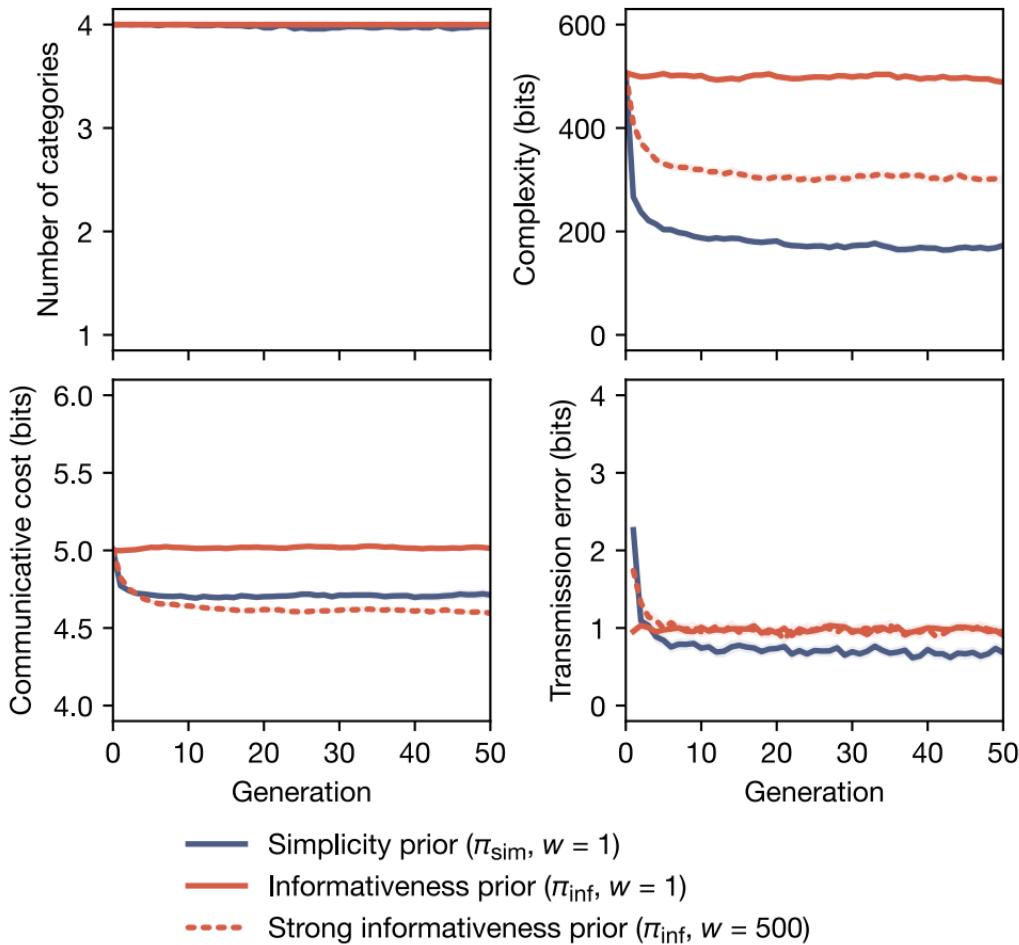
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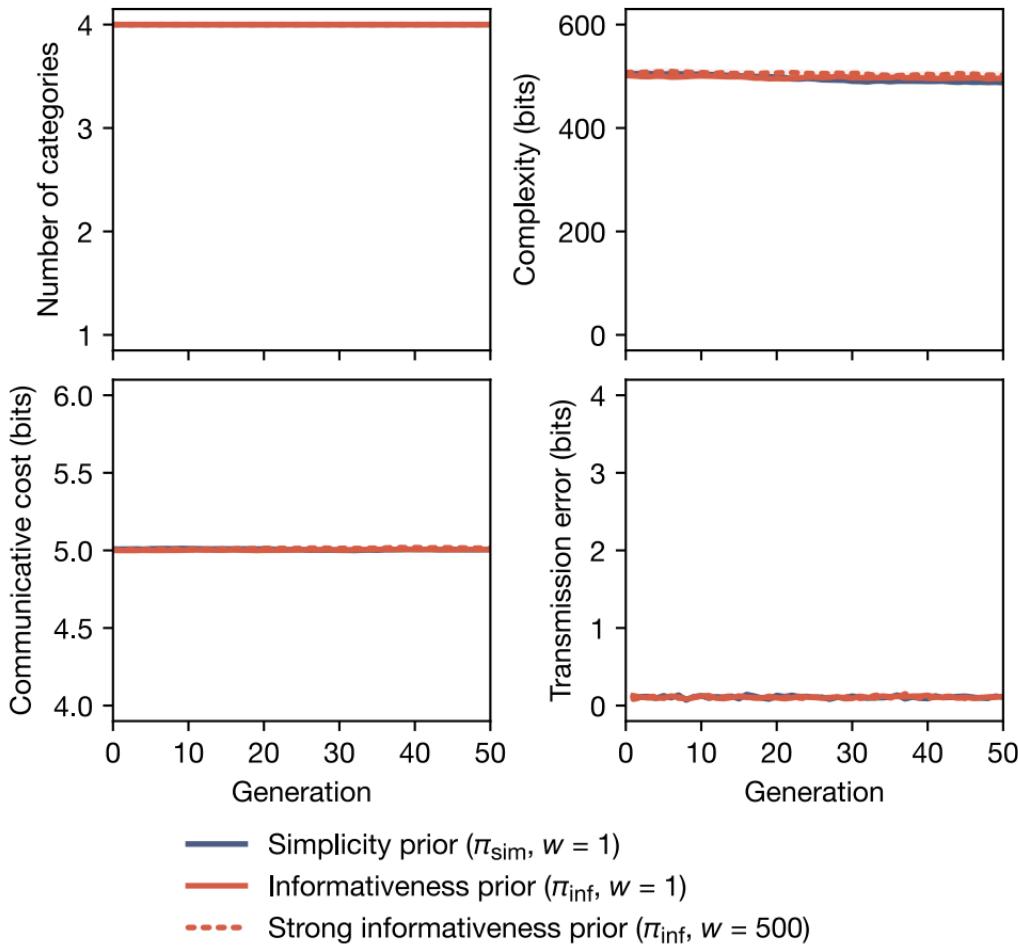
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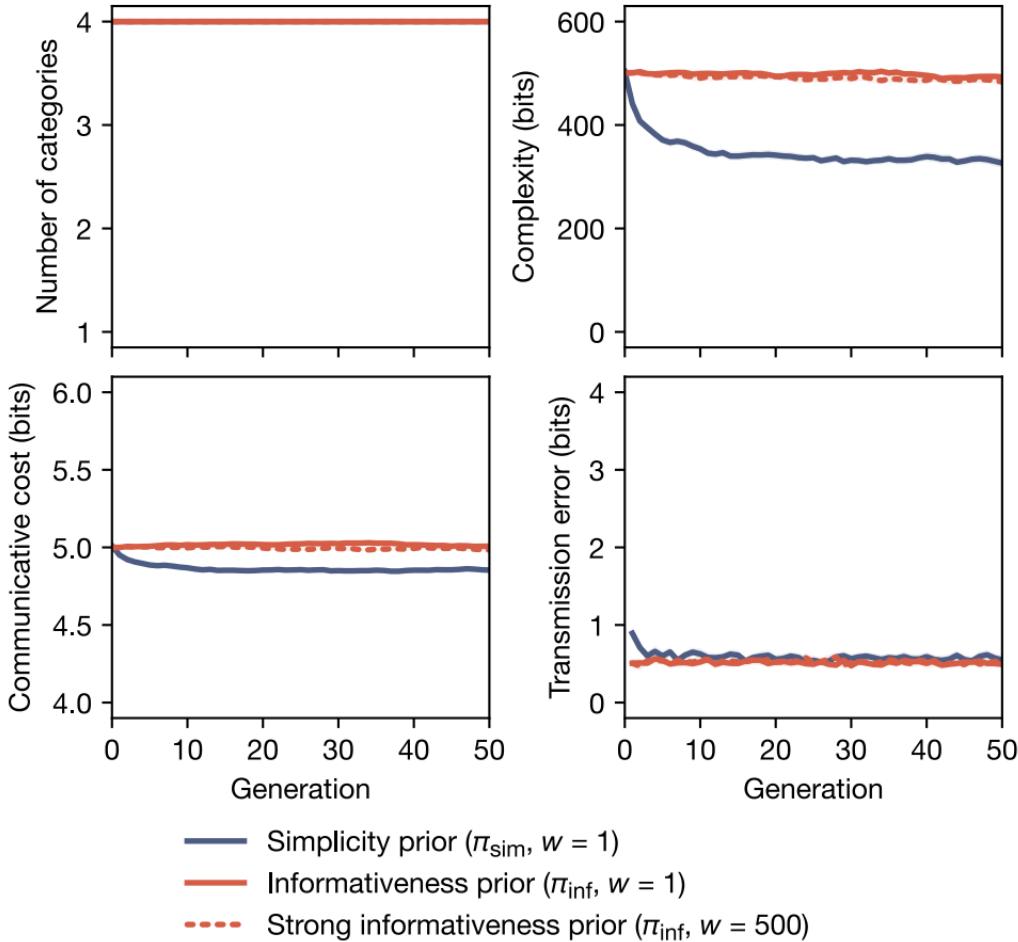
$b = 4, \xi = 3, \varepsilon = 0.1$



$$b = 4, \xi = 4, \varepsilon = 0.01$$



$$b = 4, \xi = 4, \varepsilon = 0.05$$



$b = 4, \xi = 4, \varepsilon = 0.1$

