

PROBLEMATIZING STREET-LEVEL ALGORITHMS?

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HOW DO STREET-LEVEL BUREAUCRATS FILL IN THE GAPS?

*Street-level bureaucrats ... at least [have] to be open to the possibility that each client presents special circumstances and opportunities that may require **fresh thinking** and **flexible action**.*

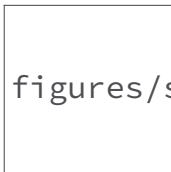
– Lipsky 1980

PROBLEMATIZING STREET-LEVEL ALGORITHMS?

PROBLEMATIZING STREET-LEVEL ALGORITHMS?

ALGORITHMS LACK REFLEXIVITY

bureaucrats

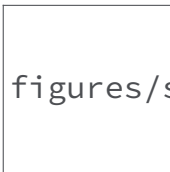


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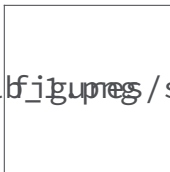
algorithms

training

bureaucrats



figures/sl



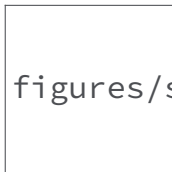
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algorithms

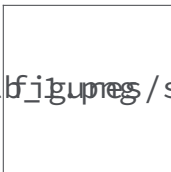
training

new data
appears

bureaucrats

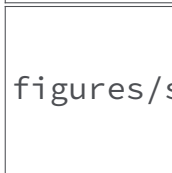


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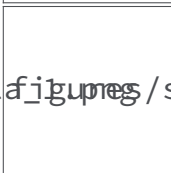


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algorithms



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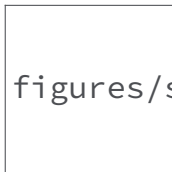


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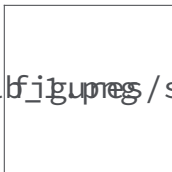
training

new data
appears

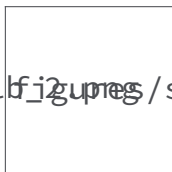
bureaucrats



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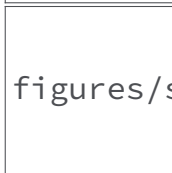


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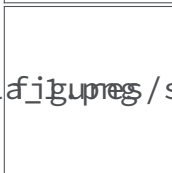


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algorithms



figures/sla_1.png



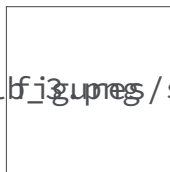
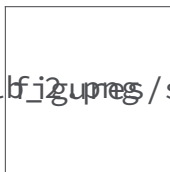
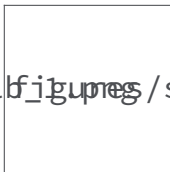
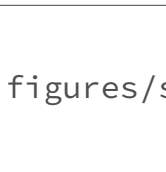
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training

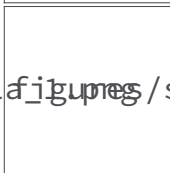
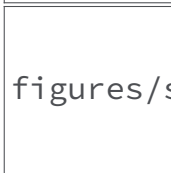
new data
appears

moment of
reflexivity

bureaucrats



algorithms



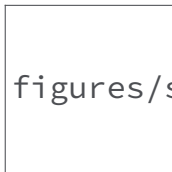
training

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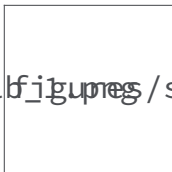
moment of
reflexivity

model
makes
prediction

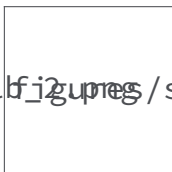
bureaucrats



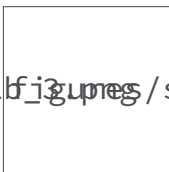
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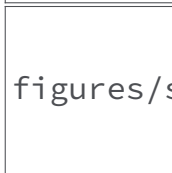


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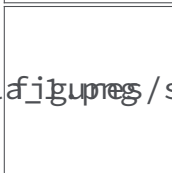


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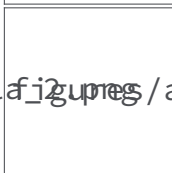
algorithms



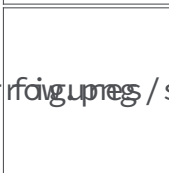
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figures/sla_2.png



figures/arr_1.png



figures/sla_3.png

training

new data
appears

moment of
reflexivity

model
makes
prediction

bureaucrats

figures/sla_1.png

figures/sla_2.png

figures/sla_2.png

figures/sla_3.png

figures/sla_4.png

algorithms

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training

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prediction

bureaucrats

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algorithms

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training

new data
appears

moment of
reflexivity

model
makes
prediction

Behavior

Algorithm



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Judgment

Behavior

~~Algorithm~~
Bureaucrat

figures/sketches/arrows.pdf

~~Judgment~~
**Application of
reflexivity**