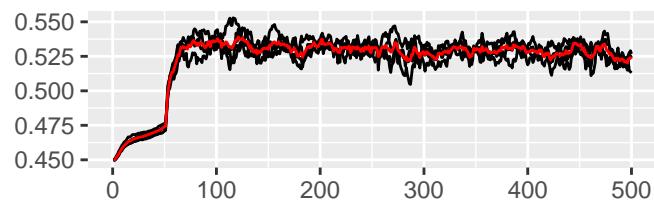
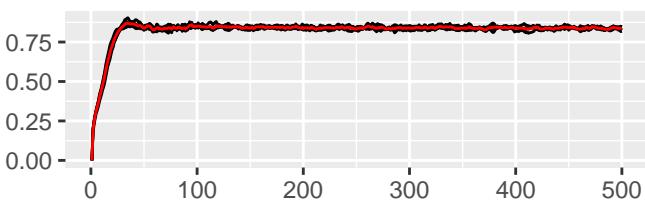


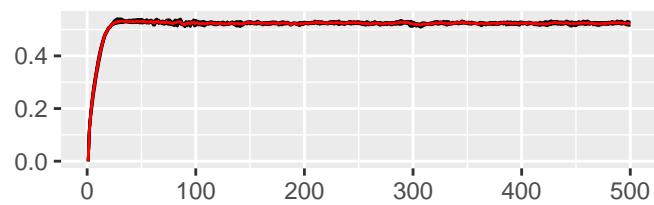
theta



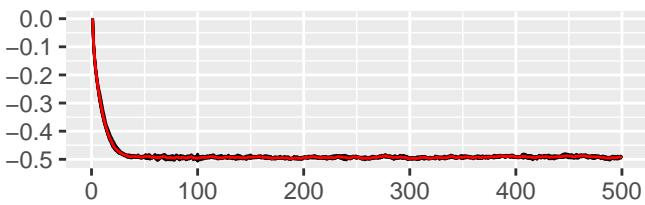
rho



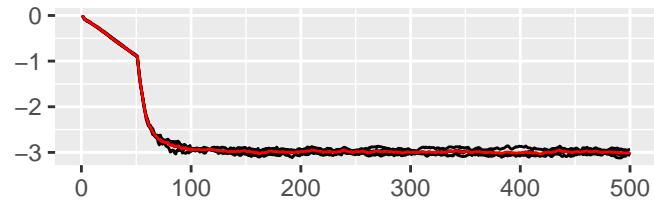
rho (1st)



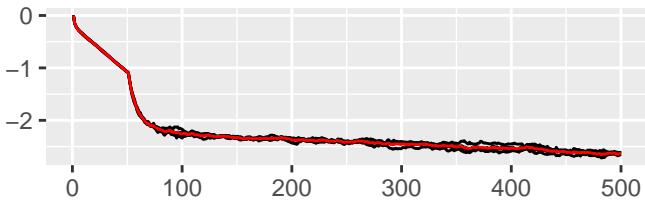
rho (2nd)



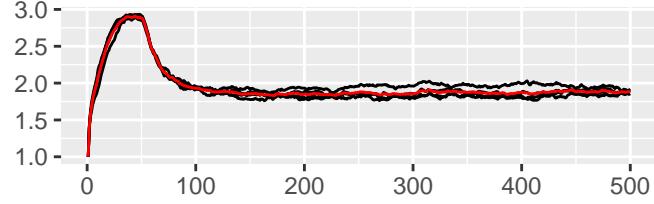
mu (1st)



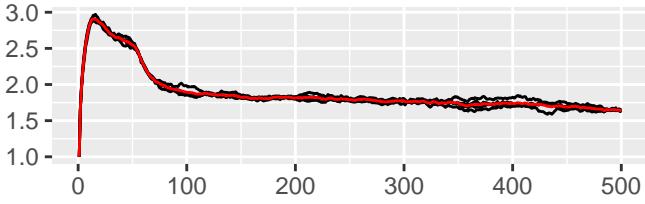
mu (2nd)



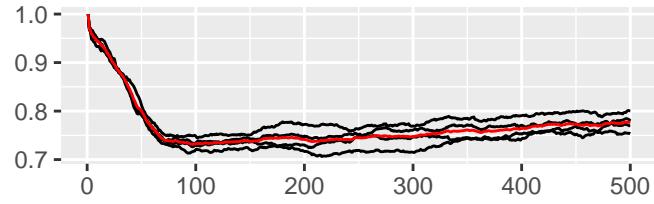
sigma (1st)



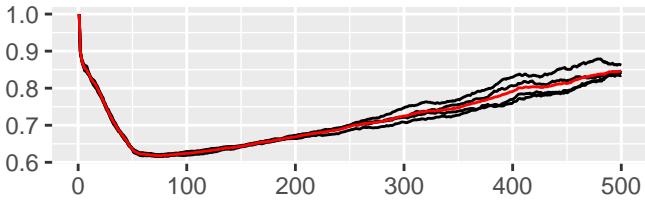
sigma (2nd)



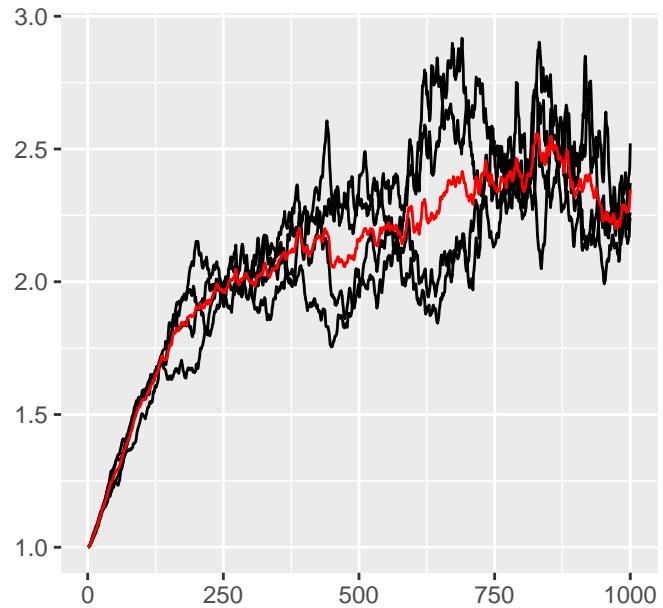
nu (1st)



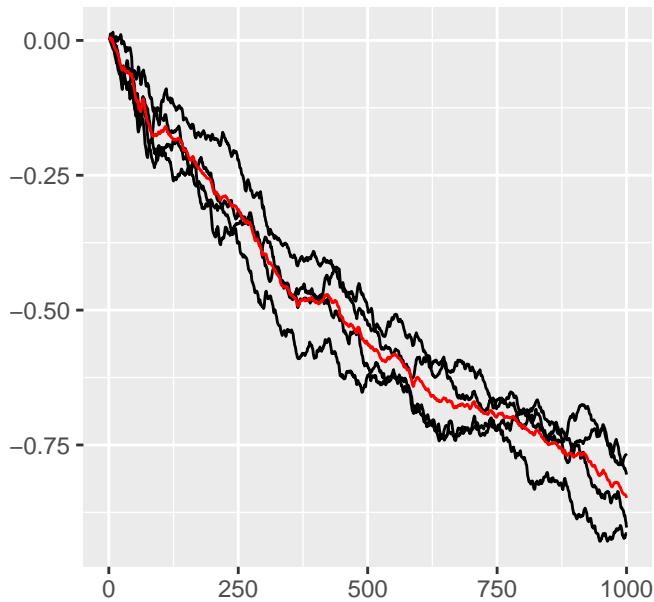
nu (2nd)



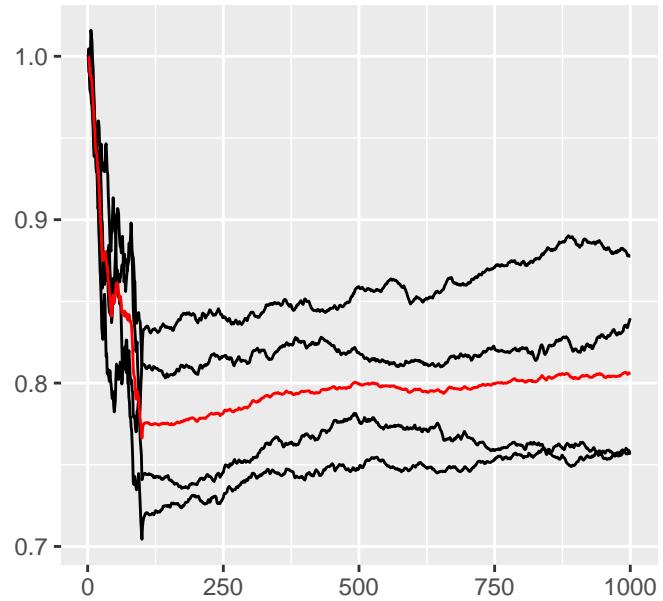
$\kappa$



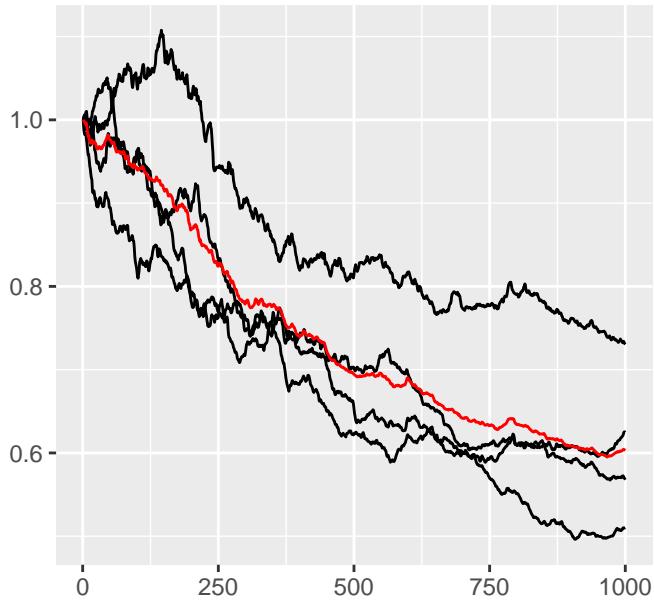
$\mu$



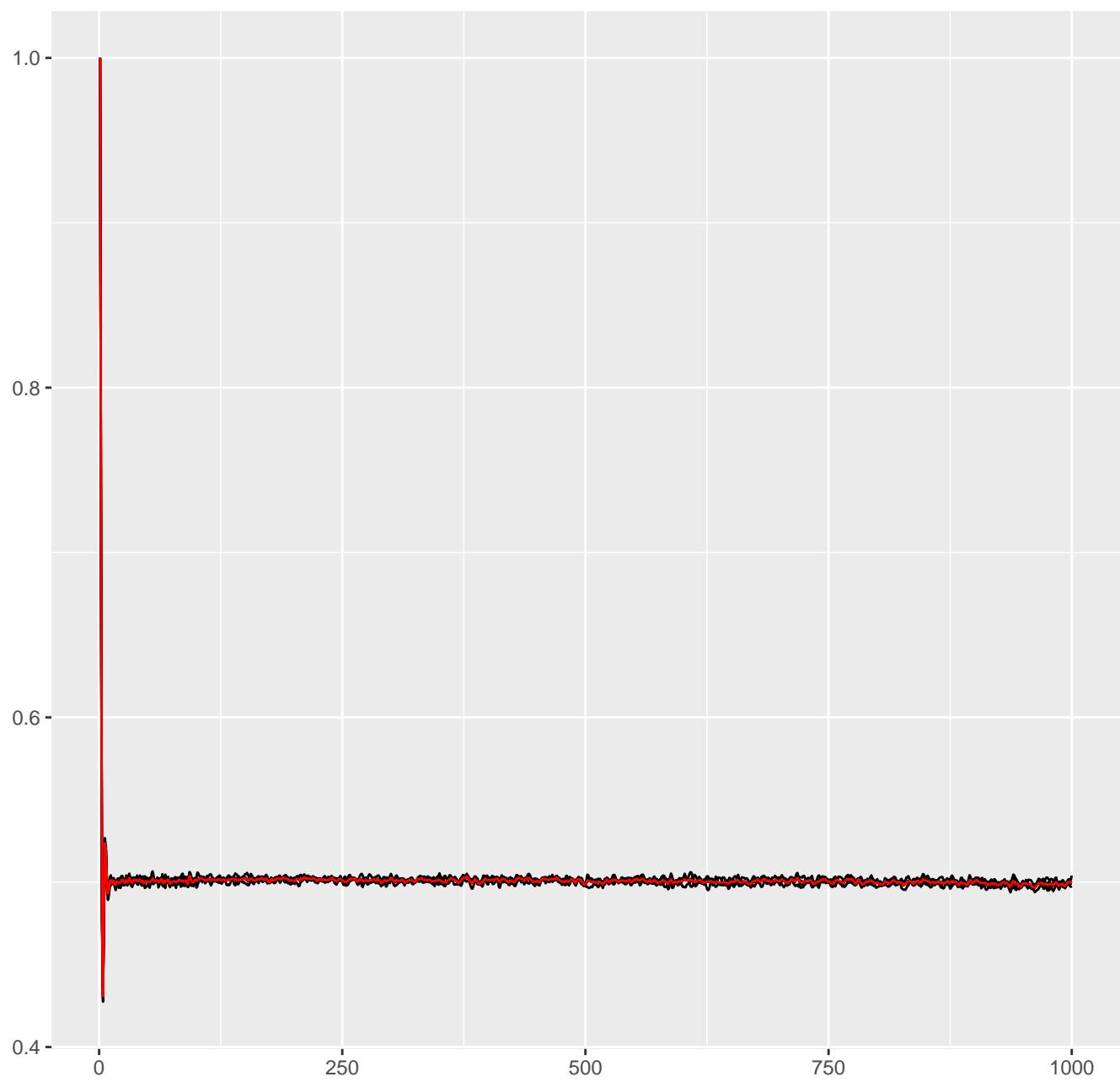
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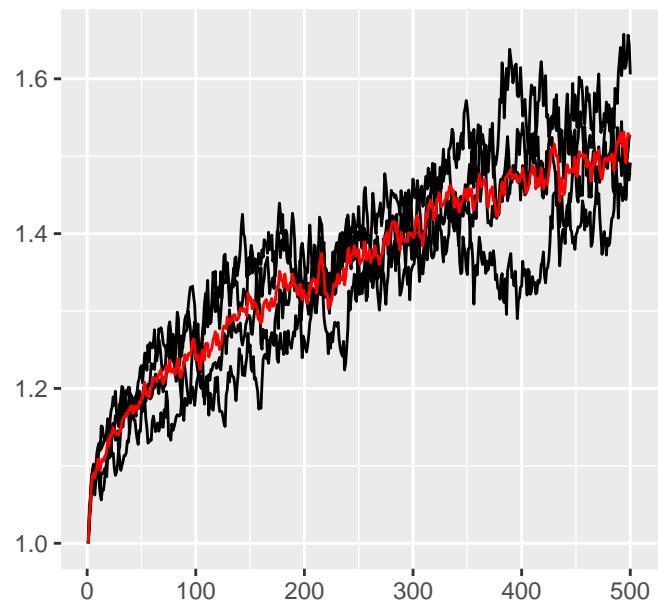
$\nu$



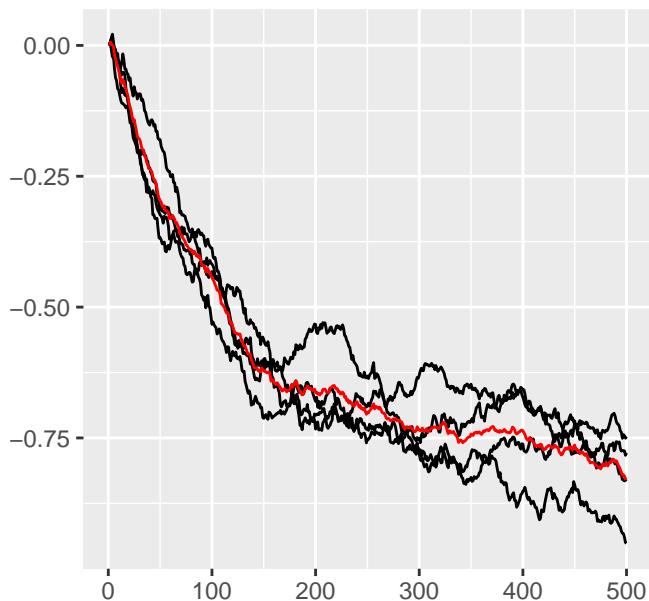
sigma



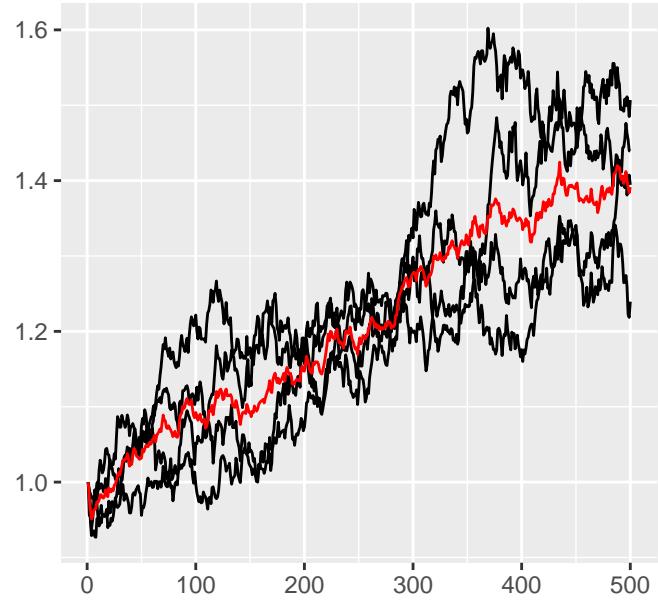
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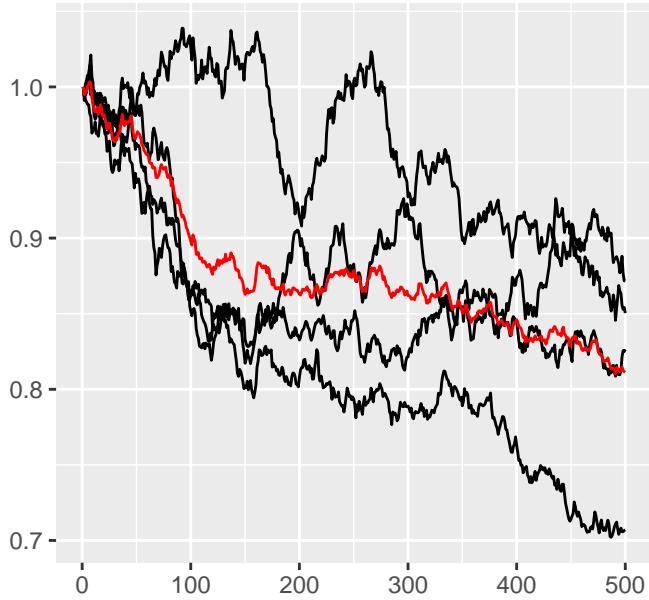
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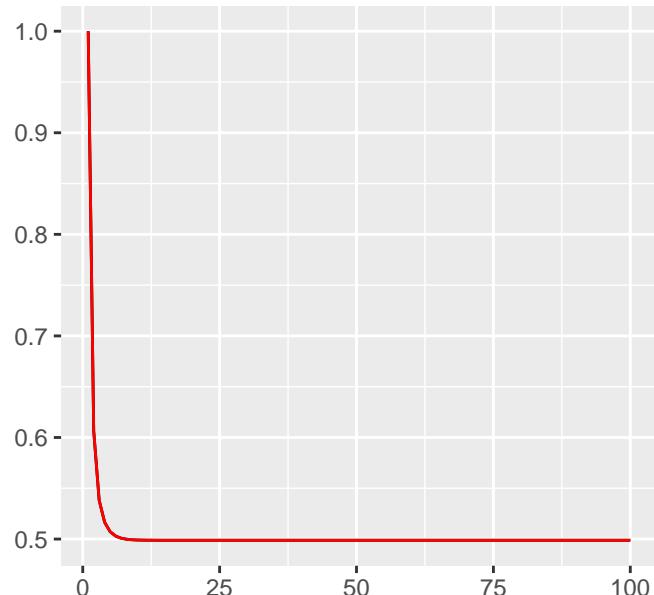
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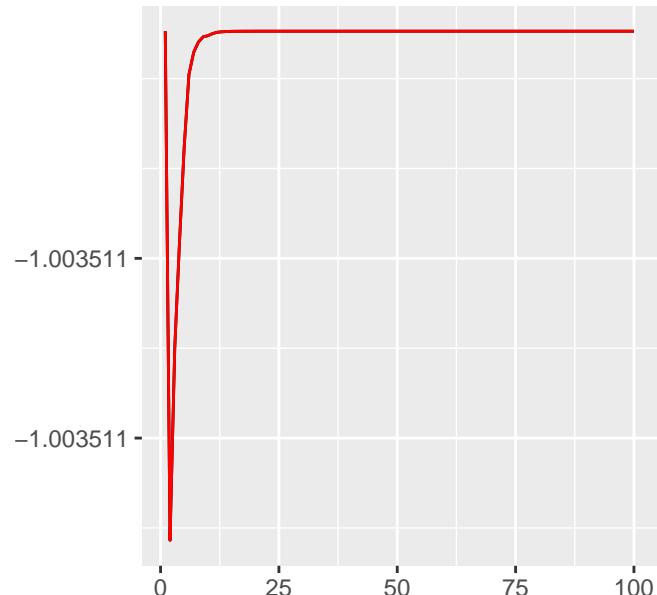
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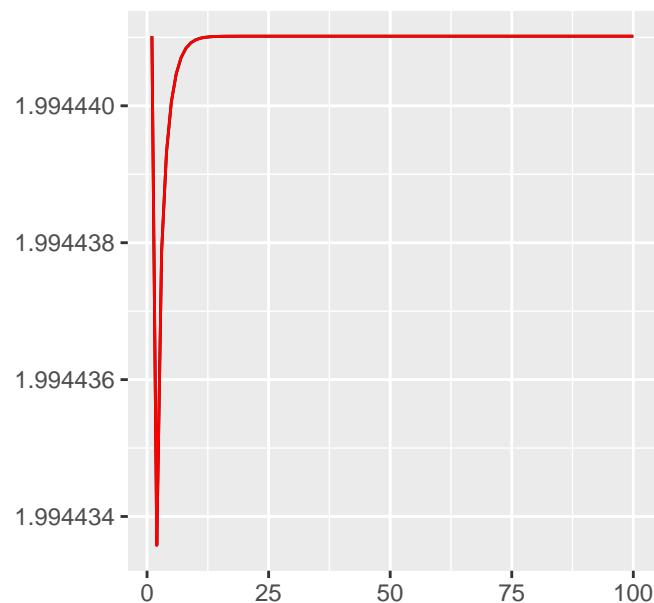
**sigma**

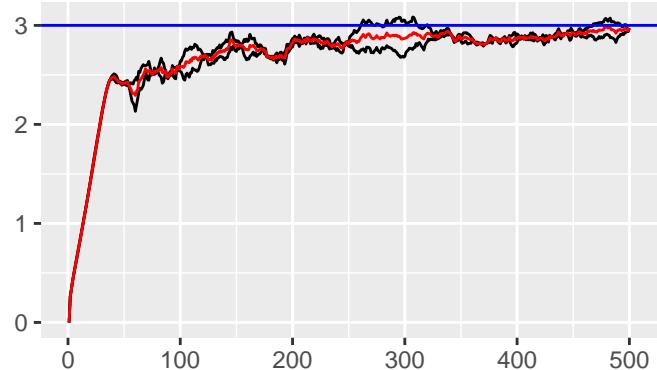
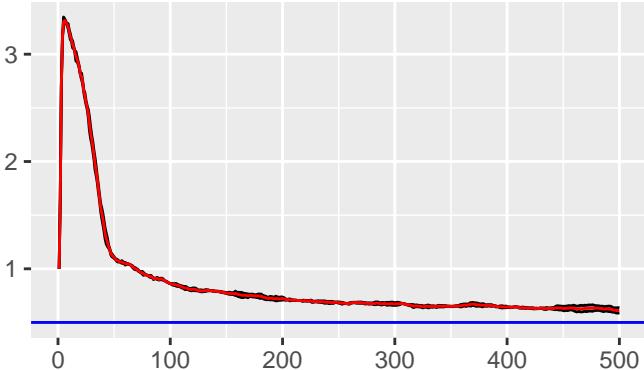
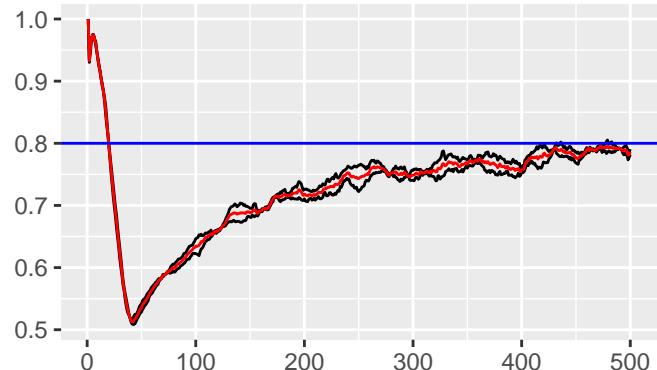
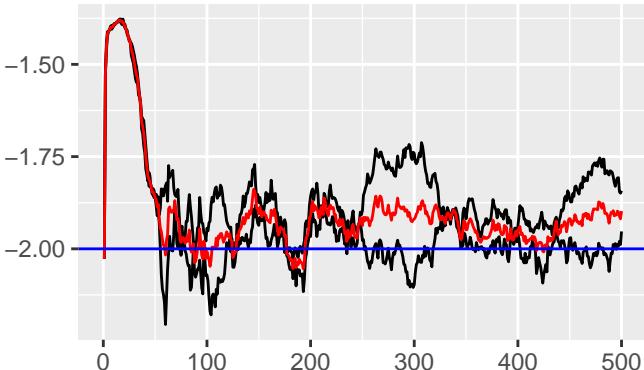
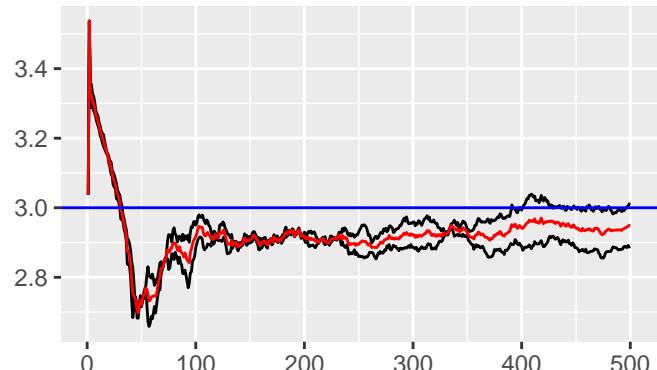


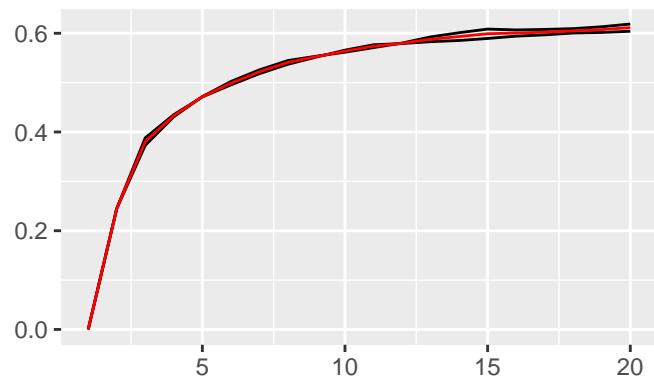
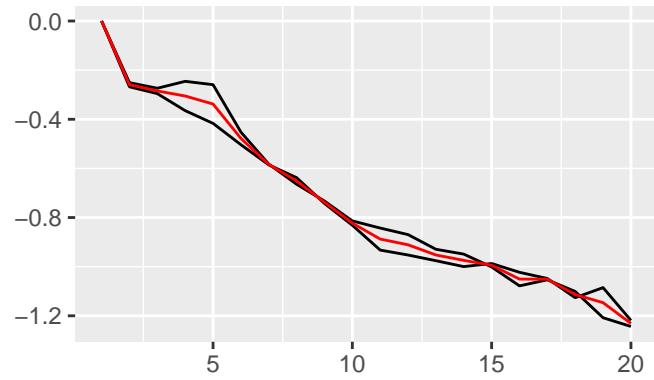
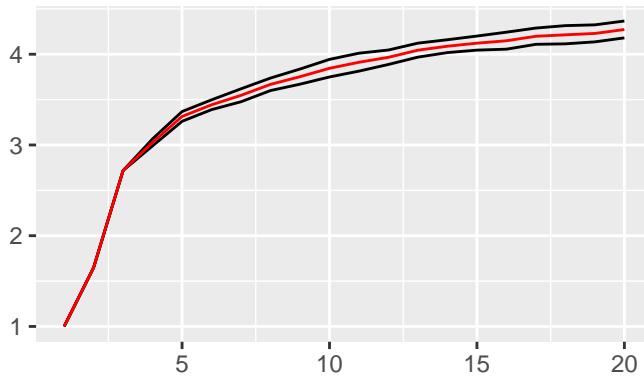
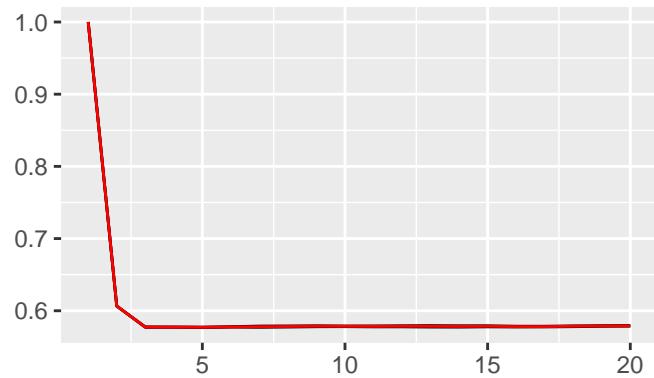
**fixed effect 1**



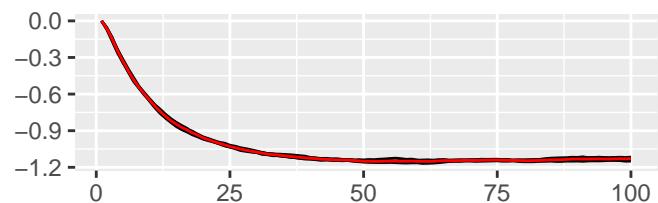
**fixed effect 2**



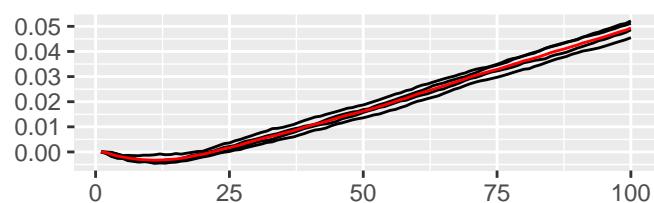
**$\mu$**  **$\sigma$**  **$\nu$** **fixed effect 1****fixed effect 2**

$\rho$  $\theta_{\mu 1}$  $\theta_{\mu 2}$  $\sigma$  $\nu$ 

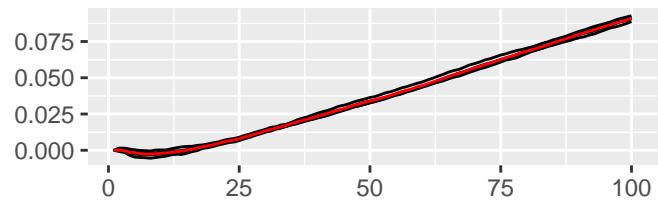
theta\_K1



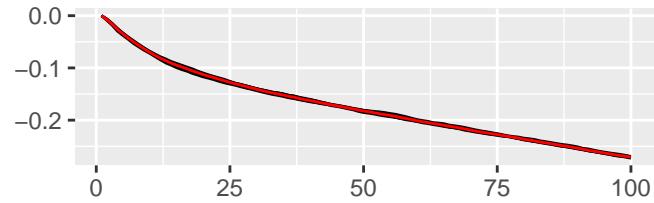
theta\_K2



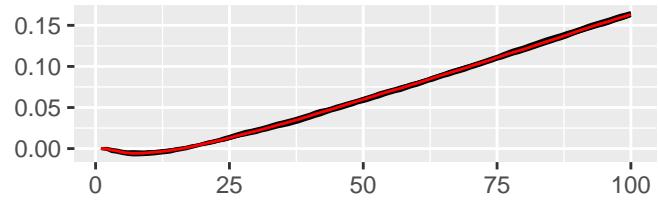
theta\_K3



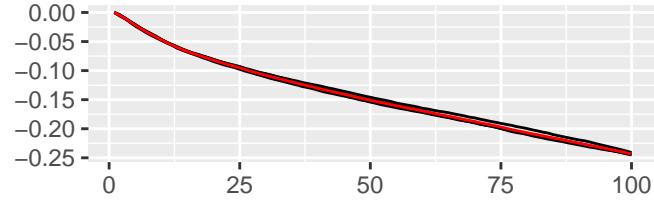
theta\_K4



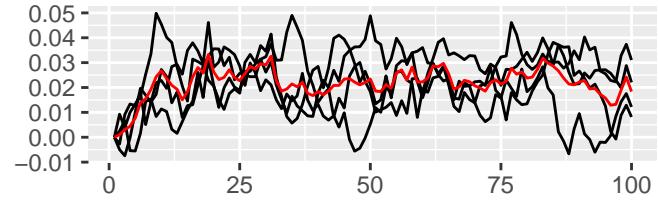
theta\_K5



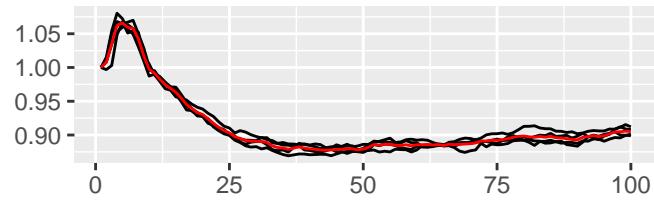
theta\_K6



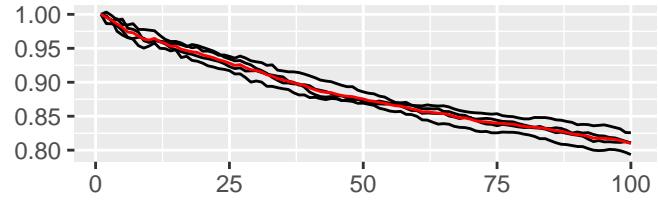
mu



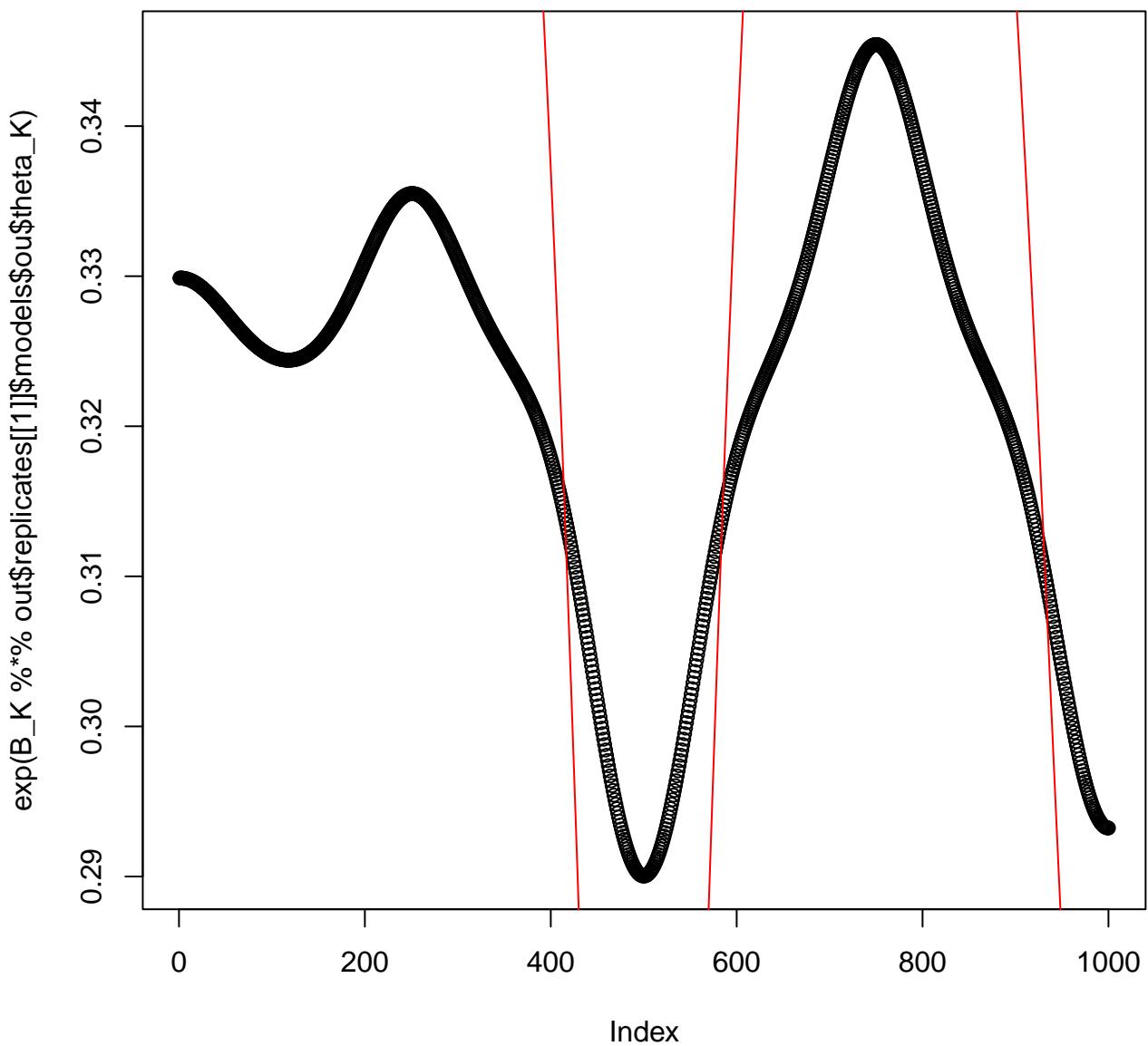
sigma



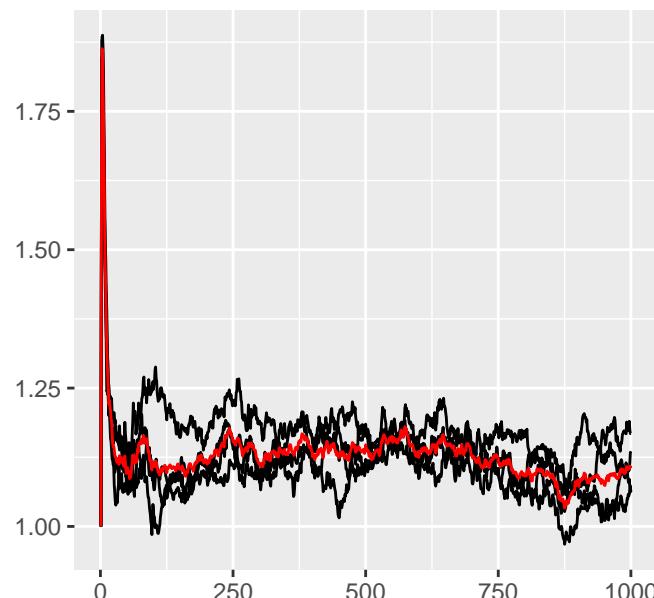
nu



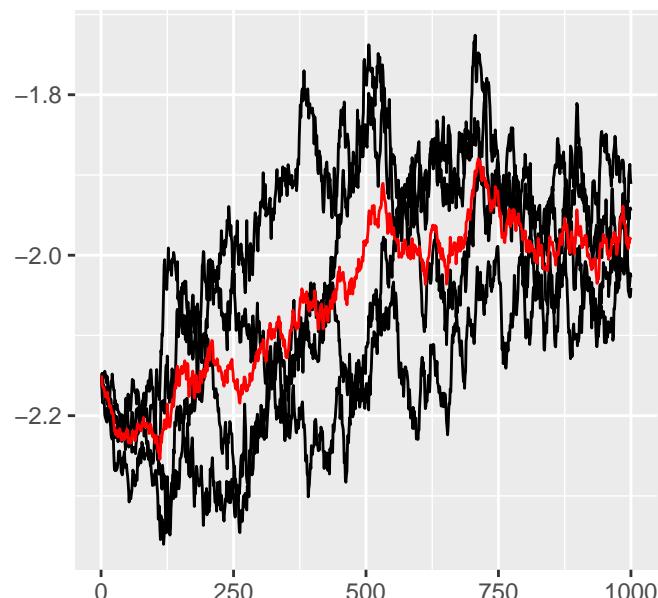
## estimation of K



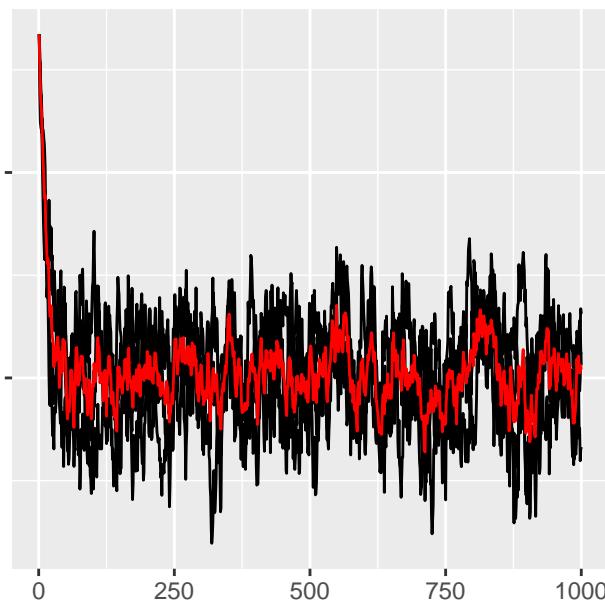
**sigma**



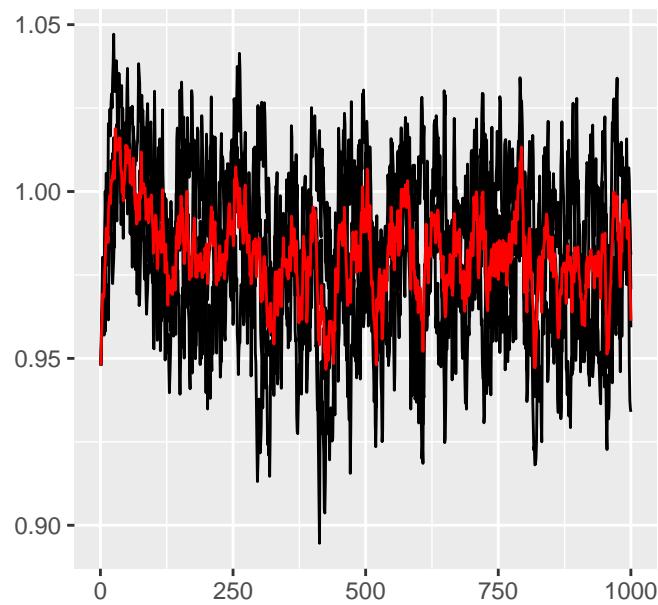
**fixed effect 1**



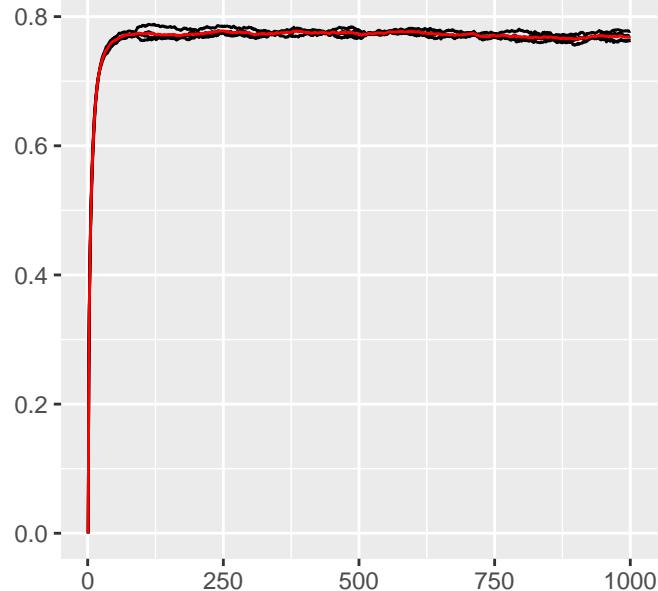
**fixed effect 2**



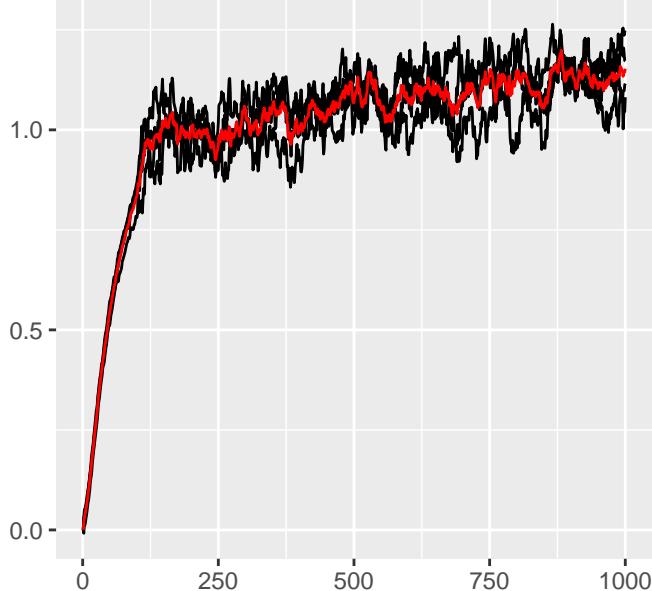
**fixed effect 3**



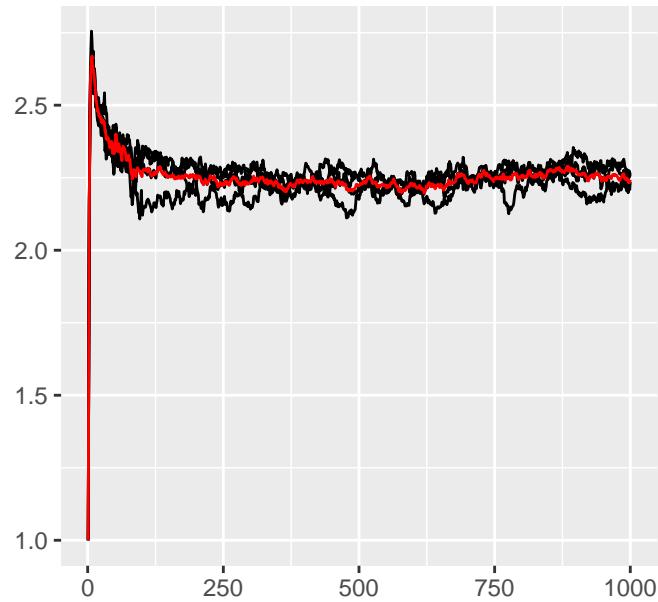
$\rho$



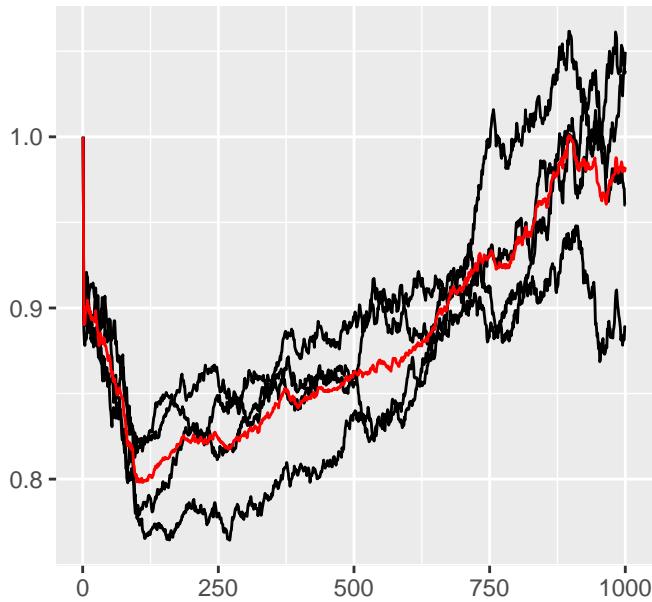
$\mu$



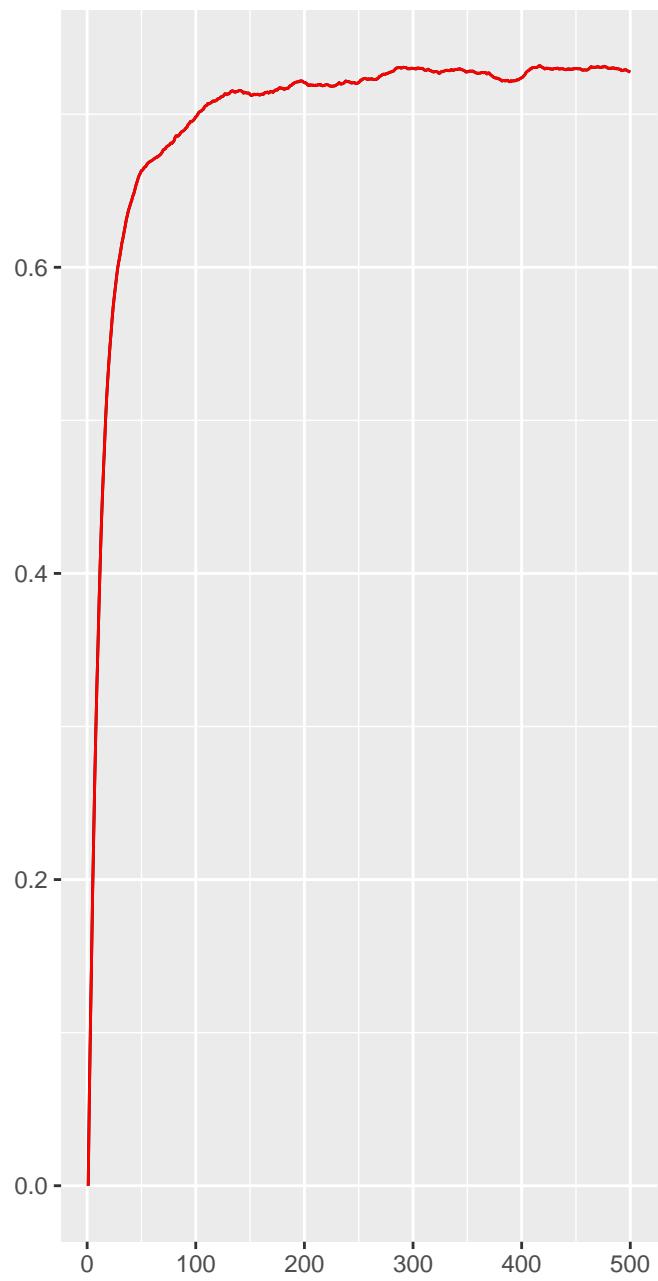
$\sigma$



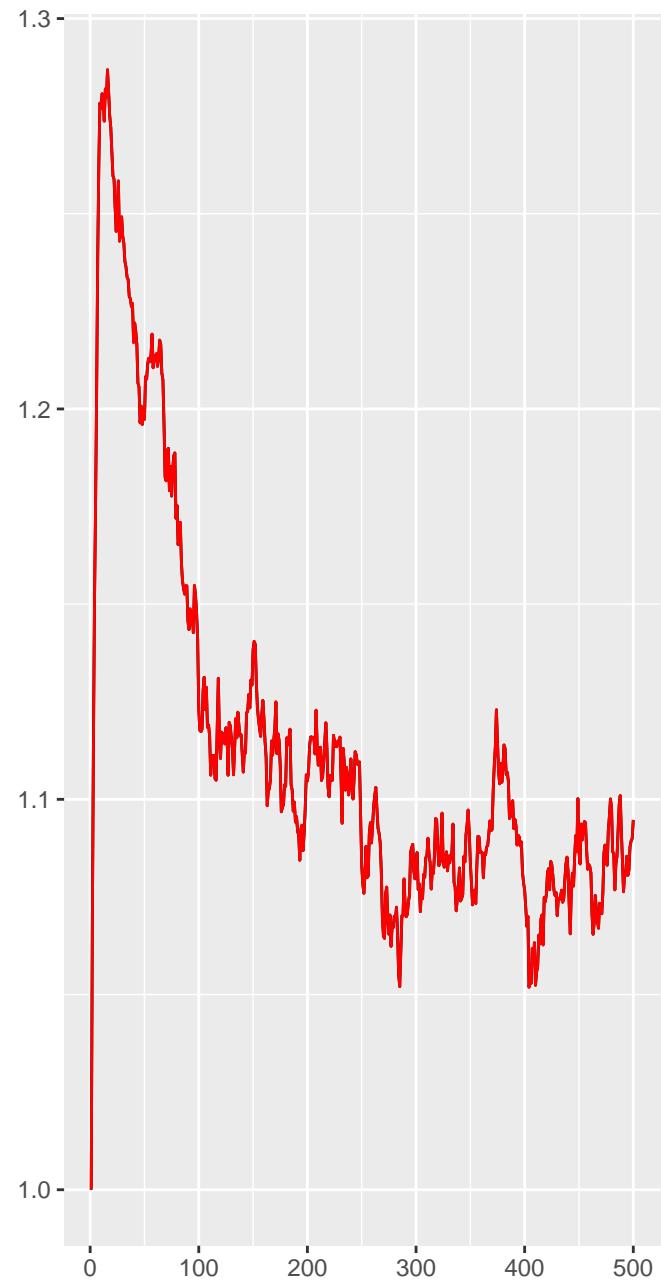
$\nu$



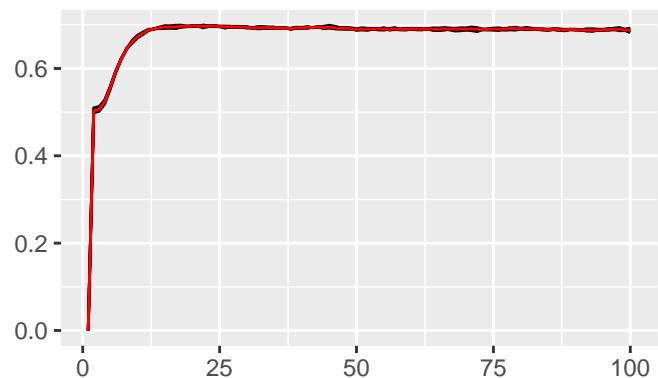
*rho*



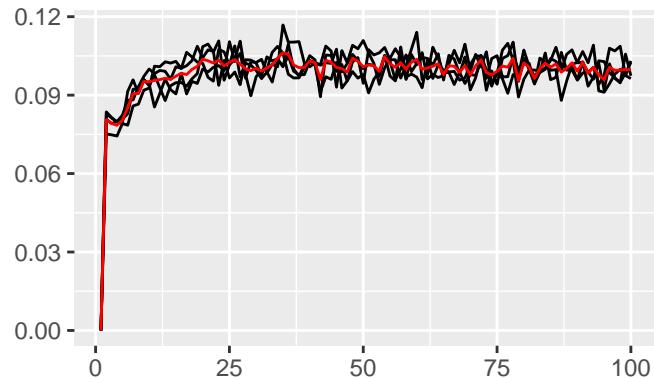
*sigma*



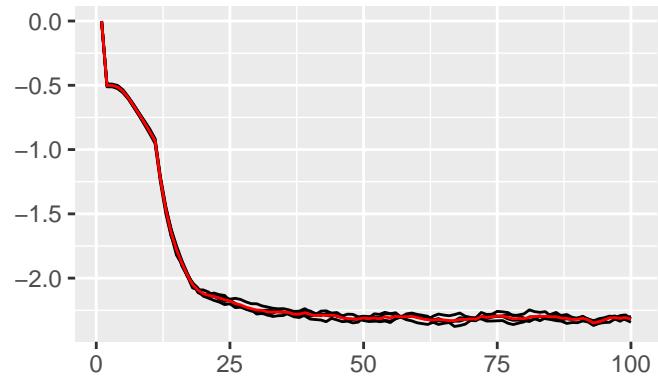
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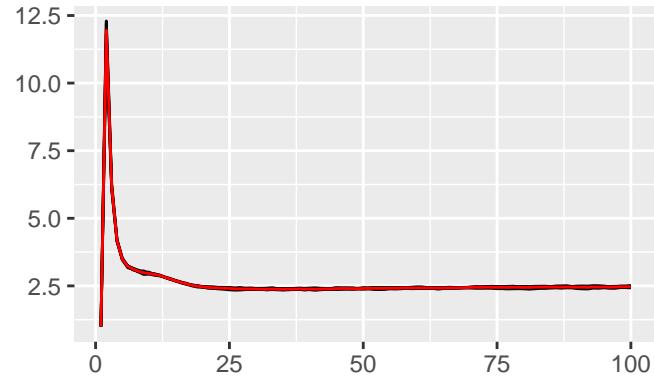
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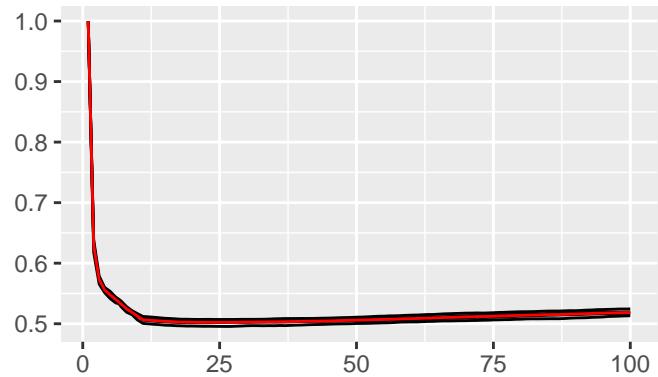
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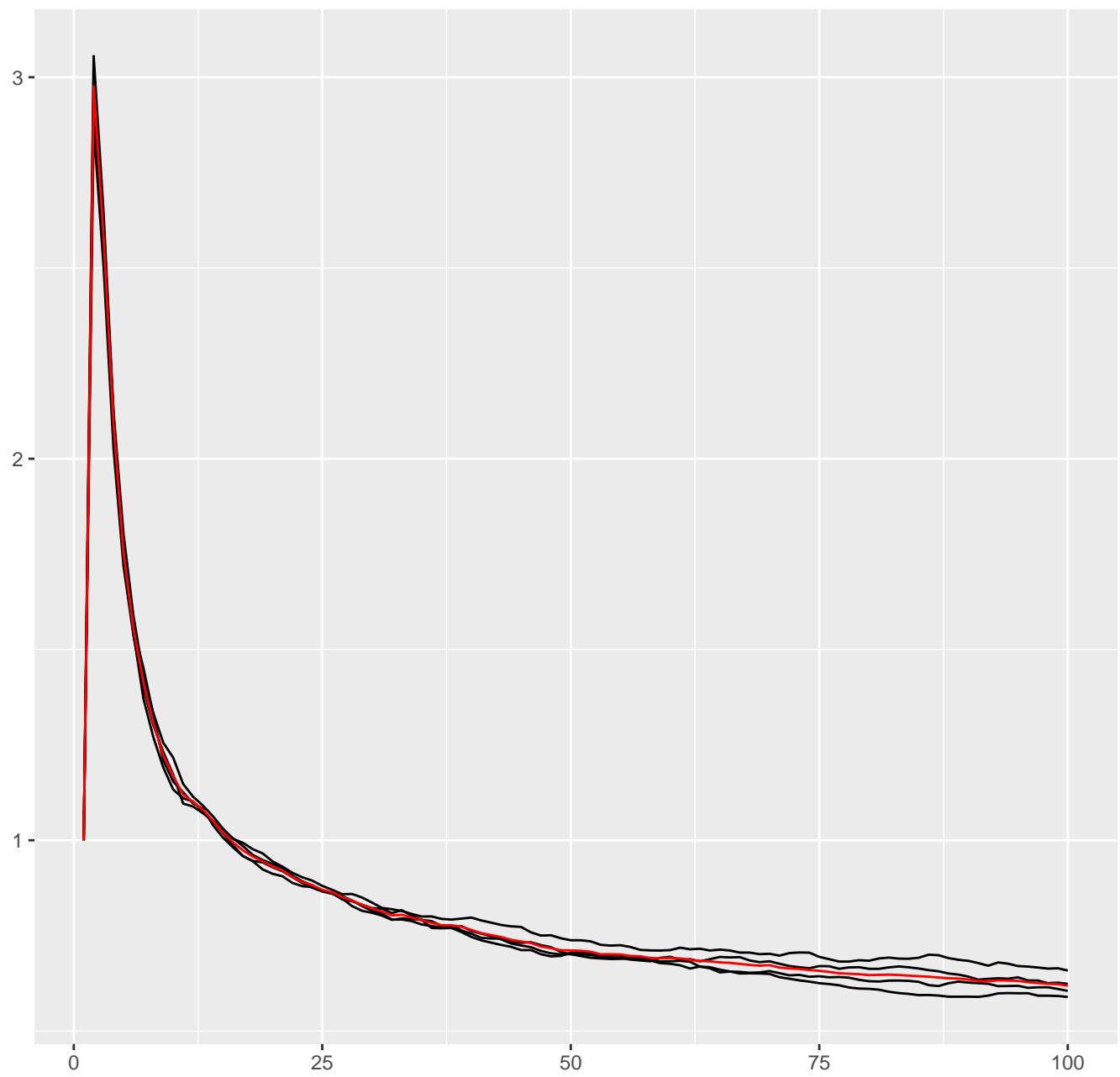
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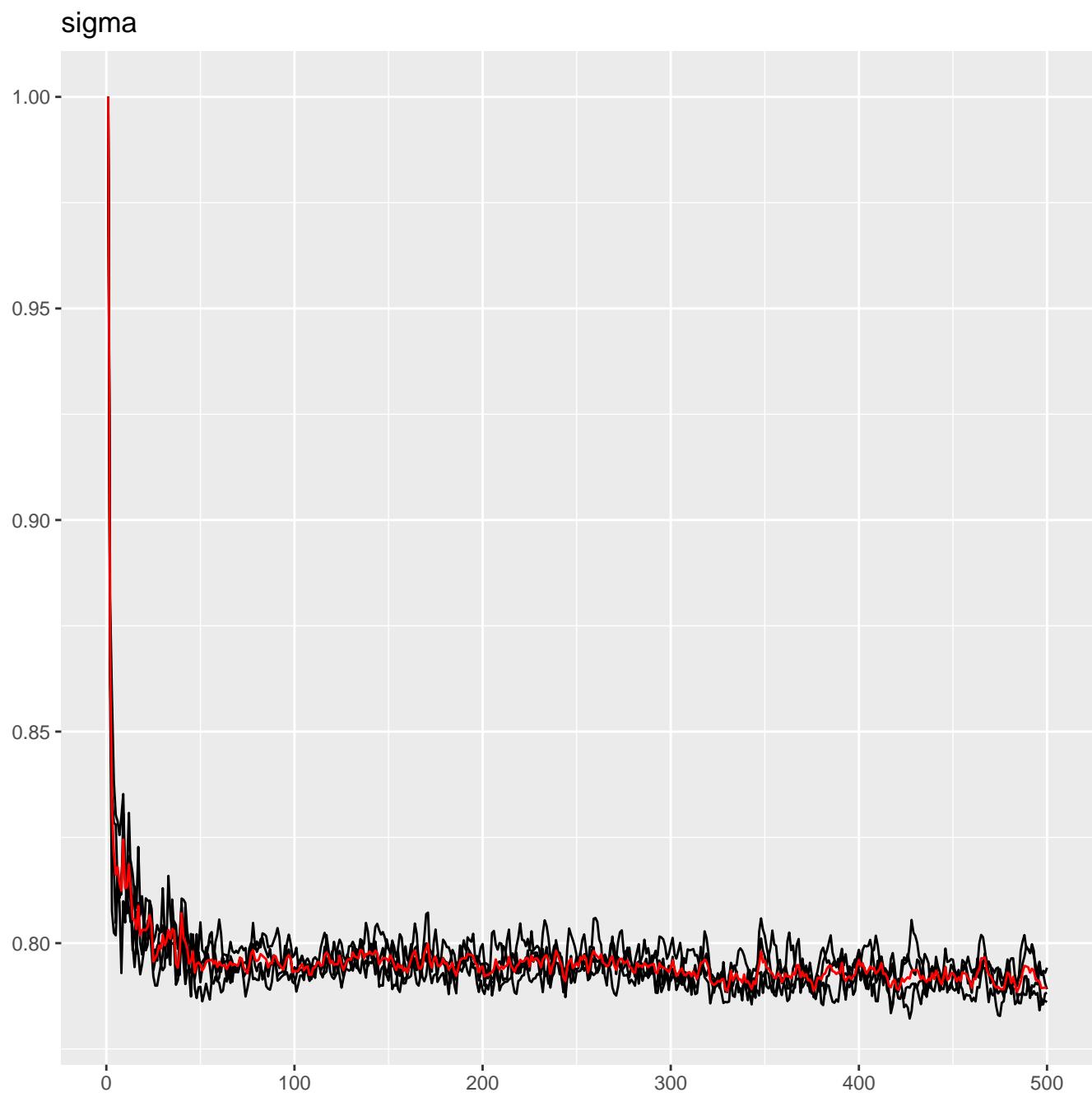
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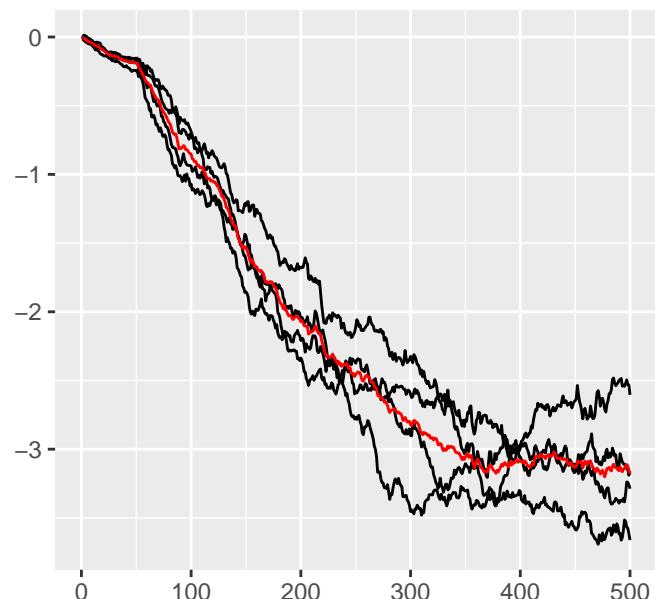
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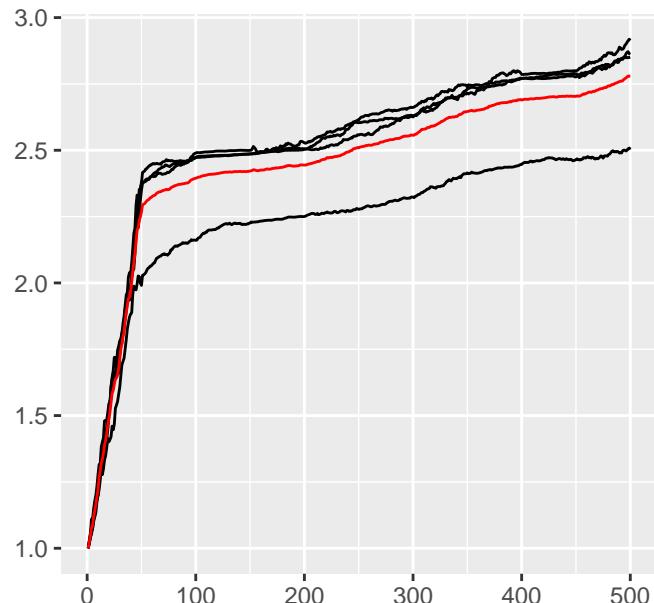
sigma



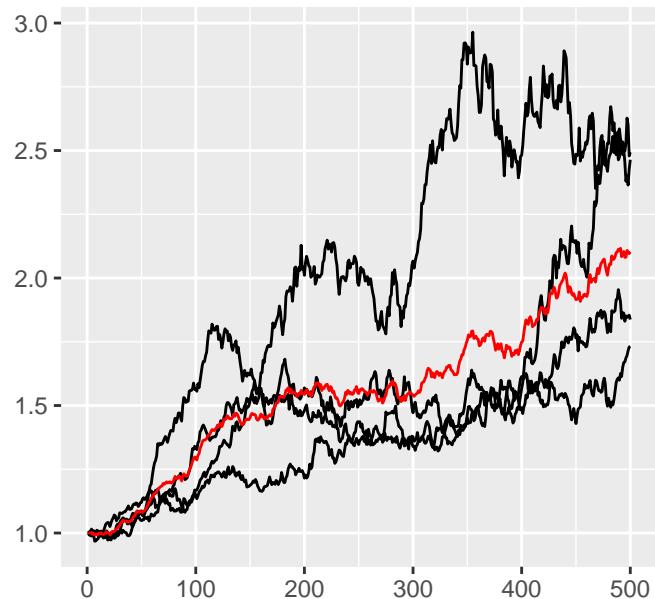
$\mu$



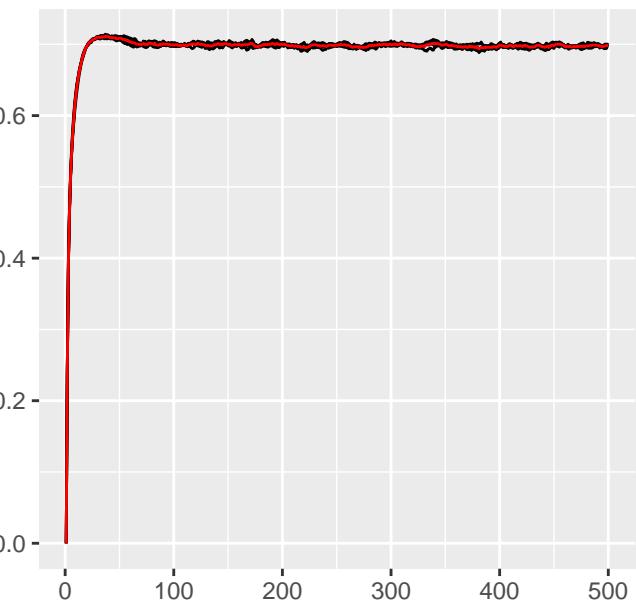
$\sigma$



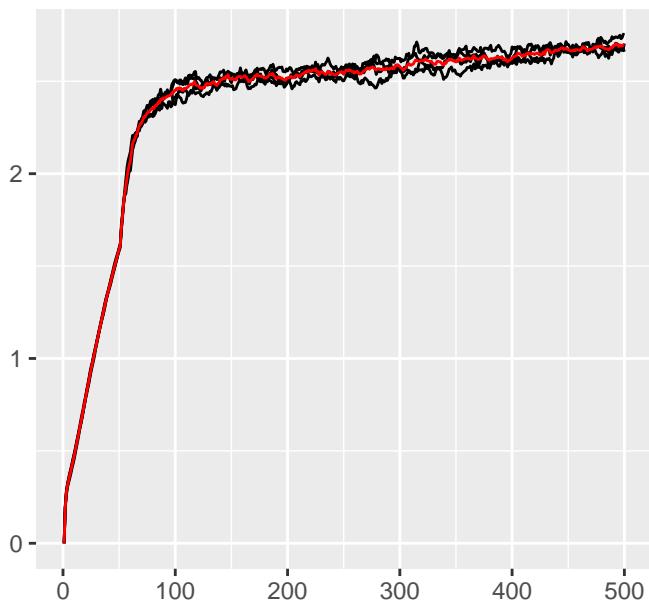
$\nu$



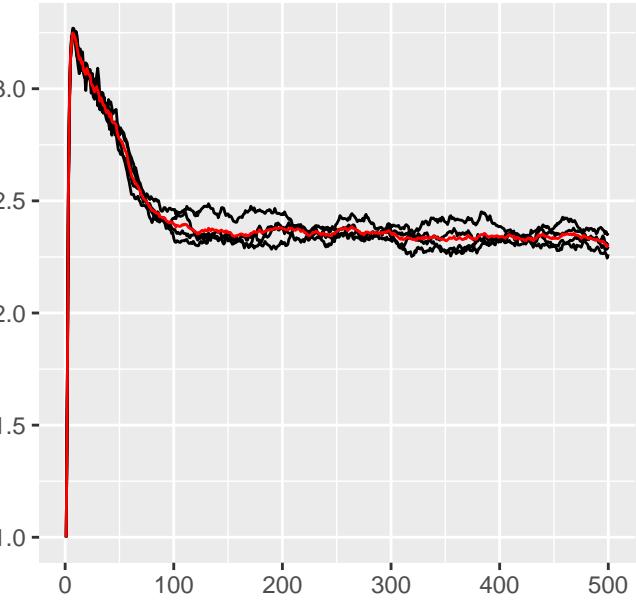
$\rho$



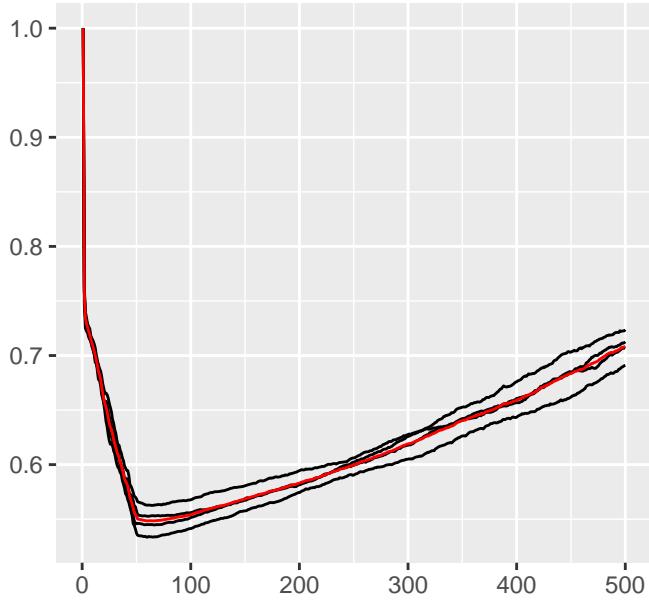
$\mu$



$\sigma$



$\nu$



sigma

