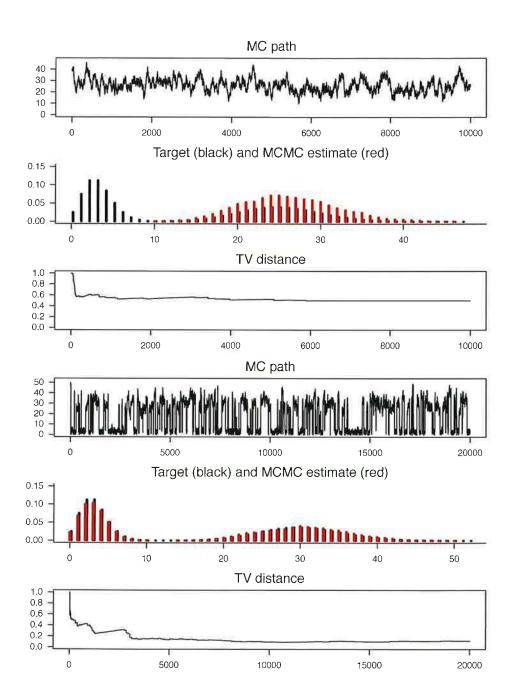


Top: the RW-MH seems to have converged. Bottom: a comparison of chains with different starting points reveals it has not.

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Top: RW-MH trapped near a local maximum and unable to efficiently explore the state space (note the possible interpretation as a quasi stationary distribution). Bottom: a mixed kernel P = cP' + (1-c)P'' with P' a RW-MH and P'' an independent MH with a fixed Geometric proposal allows the chain (on average once every 1/(1-c) steps) to jump farther and overcome valleys between local maxima. The different mixing, i.e. the different way of exploring the space, is evident from the MC path.