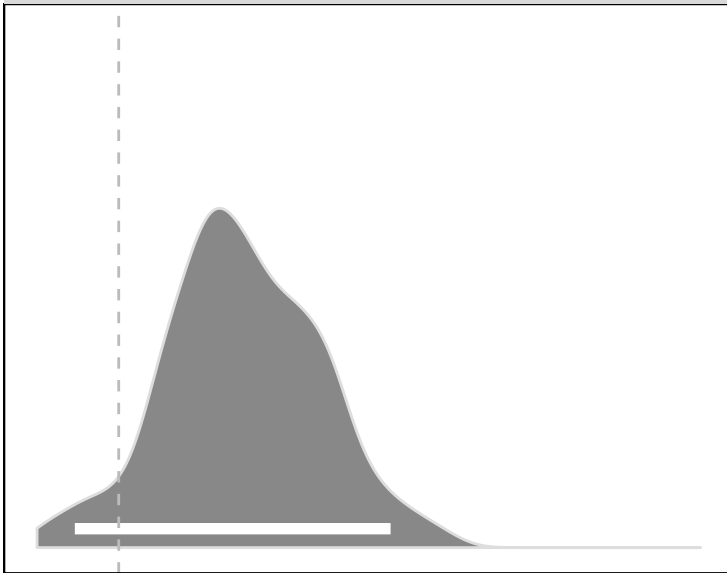
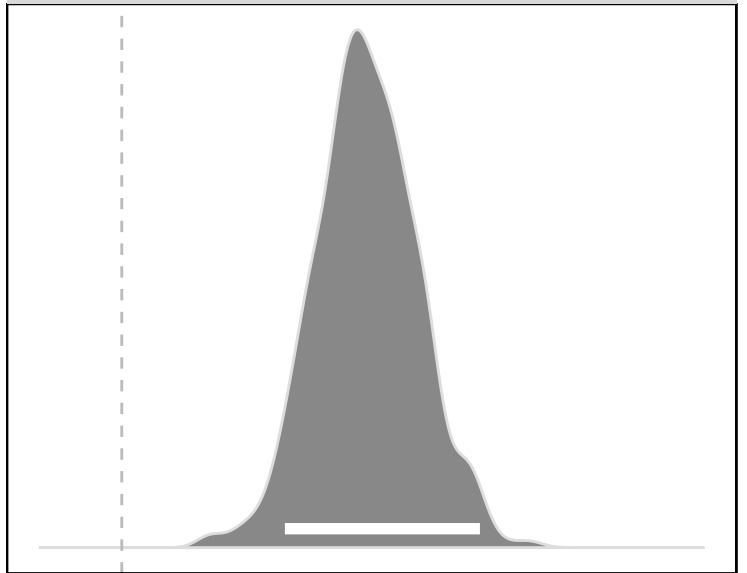


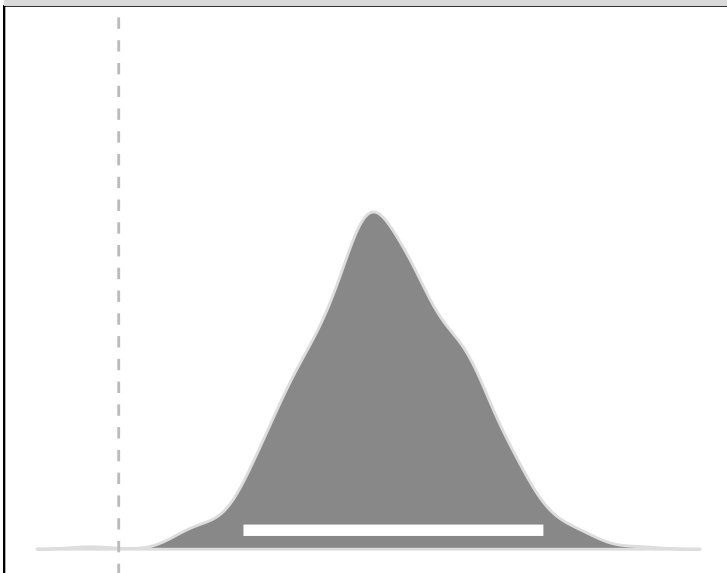
BUNDESLIGA



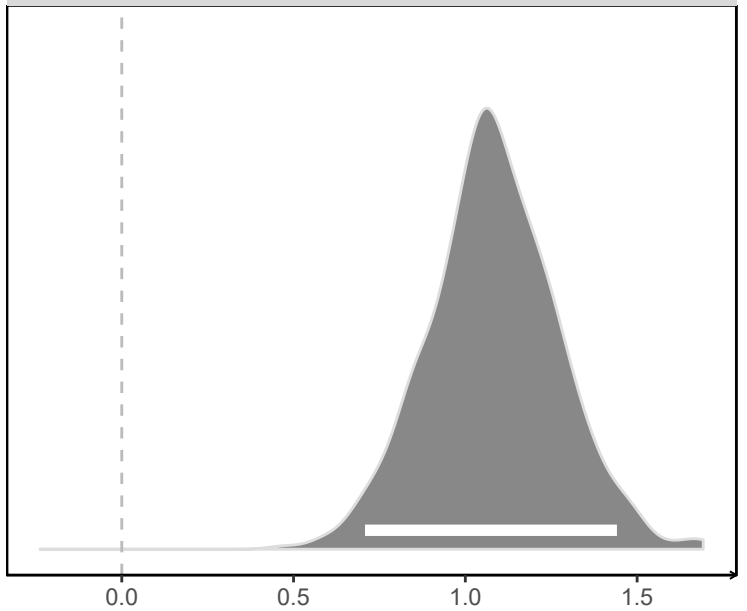
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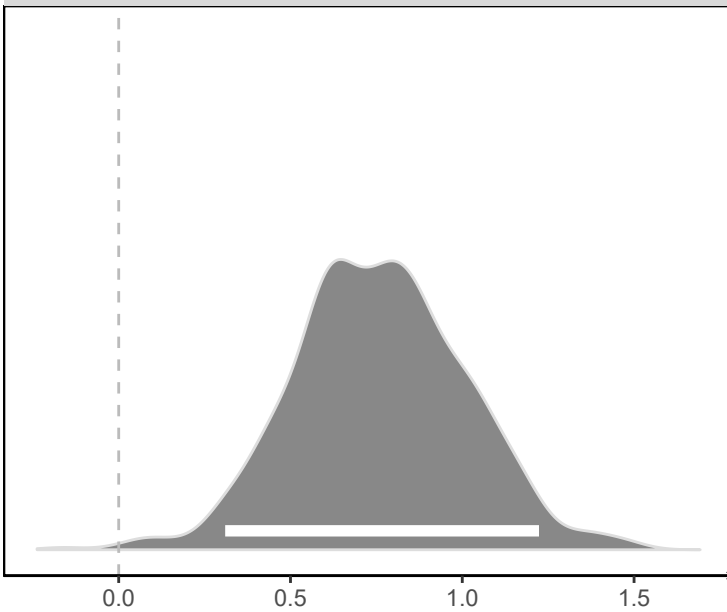
FRENCH LIGUE



LA LIGA



SERIE\_A



parameter estimation at league level