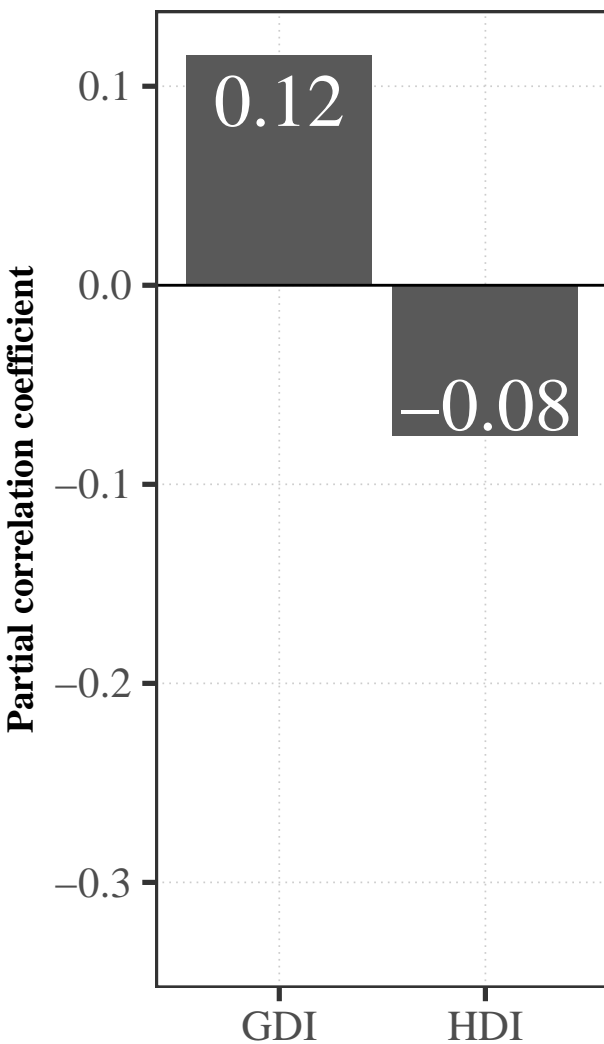


**mac diff****tfr ratio**