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Title of submission: Prenatal and early life exposure to abnormal climate and adulthood cognitive function

My research topic is prenatal and early life exposure to abnormal climate and adulthood cognitive function. In my research, we used data from China family panel studies, which is a national, large-scale follow-up survey of Chinese families and individuals, we used the sea surface temperatures anomalies in NINO 3.4 region as exposure data. To estimate the sea surface temperatures anomalies exposure and cognitive ability, we used the linear and non-linear mixed effect model and B-spline as the smooth function. Finally, we found an inversed U-shaped curve between their prenatal and early-life climate conditions and adulthood math test score. We also identified the second and third trimester to be the critical period.