**DESCRIPTIVE AND TREND TEST ANALYSIS.**

**Aim and objective(s):**

This study aims to explore trends in the association between employment status and poor mental health, health related quality of life, and self-rated health over time in England, with a particular view to assess if these associations have been altered following the 2008 recession. This study will explore Health Survey for England (HSE) datasets from 2000 to 2019 to see if there is a possible change in trend with regards to employment status and mental health, health related quality of life, and self-rated health post-recession.

**Specific objectives:**

1. To explore the trends of employment status of the working age group (16 to 64 years) in three health outcomes by:
   1. Poor mental health using General Health Questionnaire 12 score (GHQ12)
      * Caseness for mental disorder and
      * Likert scaling 0 – 36 for psychological distress)
   2. Health related quality of life using the European Quality of Life 5 Dimensions 3 Level Version (EQ-5D 3L)
   3. Self-rated health (SRH) indices.
2. To explore inequalities in the relationship between being employed and mental health in different population groups; male/female, age groups, weight, and highest educational attainment.
3. To carry out a trend test analysis to compare the relationship between employment status and mental health before and after the 2008 recession using statistical testing modelling where pre-2008 is 0 and post-2008 is 1. Also running them as individual years before and after 2008.

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