**✅ Analysis Roadmap (Step-by-Step)**

**1. 📌 Gender Pay Gap**

**Hypothesis:** After adjusting for education and work hours, gender still significantly affects earnings.

* **Test:** Multiple Linear Regression + ANOVA
* **Variables:** Gender, Education, Work\_hours, Earnings

**2. 📍 Province-Wise Income & Health**

**Hypothesis:** Provinces with higher average income report better health outcomes.

* **Test:** ANOVA or Correlation
* **Variables:** Province, Income\_after\_tax, Self\_reported\_health or Mental\_health\_score

**3. ⏱ Work Hours & Mental Health**

**Hypothesis:** Increased work hours are associated with worse mental health/life satisfaction.

* **Test:** Pearson correlation or Linear Regression
* **Variables:** Work\_hours, Mental\_health\_score, Life\_satisfaction

**4. 🎓 Education & Earnings**

**Hypothesis:** Higher education leads to higher income, even after adjusting for job type and province.

* **Test:** Multiple Linear Regression
* **Variables:** Highest\_edu, Earnings, Province, Occupation

**5. 💵 Government Assistance & Stability**

**Hypothesis:** Receiving CPP, pensions, or benefits reduces financial stress and improves reported stability.

* **Test:** T-test or Chi-Square (for categorical satisfaction/stability)
* **Variables:** CPP\_QPP, Child\_benefit, Guaranteed\_income, Reported\_stability