

ASHUTOSH JAYANT

Economic Research & Analysis · Public Finance · Development Economics · Applied Quantitative Methods

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SUMMARY

Economics postgraduate with a decade of UPSC Civil Services preparation (2015-2025) covering the Indian economy, public finance and governance. I do applied economic research directly on primary sources: the Union Budget, the Economic Survey of India, and cross-country development data from the UNDP, World Bank and Transparency International. Work spans public expenditure analysis, welfare and development measurement, and applied statistical testing in Python. I state the method, show the reasoning, and record the limitations rather than presenting tidy conclusions.

AREAS OF FOCUS

- **Public finance & fiscal policy:** Union Budget structure, ministry-level expenditure, allocation trade-offs, the budget cycle and demands for grants.
- **Development economics:** Human development measurement, welfare beyond GDP, capability approaches, cross-country comparison.
- **Macroeconomic policy:** Economic Survey analysis, government framing of economic priorities, structural and growth questions.
- **Applied quantitative methods:** Correlation, multiple regression, hypothesis testing, clustering (statsmodels, scikit-learn, scipy).

ECONOMIC RESEARCH PROJECTS

Beyond GDP — Human Development & Welfare Measurement

2026

Python · statsmodels · SQL | github.com/jayantashutosh-rgb/beyond-gdp-capability-analysis

- Built a single clean panel of 130 countries from four sources (UNDP HDI, World Bank, World Happiness Report, Transparency International), standardising country identifiers to ISO3 and handling missing values.
- Ran correlation analysis, a multiple regression and a t-test examining the relationship between income, governance, subjective wellbeing and human development. Documented the specification's limitations, including collinearity between the regressors, rather than overstating the result.
- Constructed an experimental composite capability index that correlates 0.94 with HDI and 0.86 with reported happiness, but only 0.67 with GDP, and set out openly what the index does and does not establish.

Union Budget 2026-27 — Public Expenditure Analysis

2026

Python · Pandas · PyMuPDF | github.com/jayantashutosh-rgb/india-union-budget-capability-analysis

- Extracted and standardised 102 ministry-level demands for grants from the official Expenditure Profile, working from the primary document rather than secondary reporting.
- Reconciled the full schedule against the published Grand Total; a first-run mismatch was traced to a single extraction error and the residual closed to Rs 0.19 crore against a Rs 53.47 lakh crore base.
- Classified expenditure into welfare domains (health, education, nutrition, social protection, economic opportunity) and documented the contestable classifications instead of forcing clean answers.

Economic Survey 2025-26 — Policy Text Analysis

2026

Python · SQL · pdfplumber | github.com/jayantashutosh-rgb/economic-survey-capability-analysis

- Processed the full 740-page Economic Survey into a structured, indexed database (17 chapters, 676 pages, roughly 250,000 words) to examine how the government frames its economic priorities.
- Measured vocabulary density across chapters with SQL, then manually classified 122 context windows across three review rounds, committing every judgement to the public repository for audit.

TECHNICAL SKILLS

- Python (Pandas, NumPy, statsmodels, scikit-learn, scipy), SQL and SQLite, Matplotlib, Seaborn, Excel, Git.
- Data extraction from official PDFs, schema standardisation, validation and reconciliation.

EDUCATION & CERTIFICATION

M.A. Economics, Swami Vivekanand Subharti University

2026

B.Com, Delhi College of Arts & Commerce, University of Delhi

2016

M.A. Political Science, IGNOU

2022

Master of Computer Applications (MCA), Mangalayatan University

2025 – Present

Google Data Analytics Professional Certificate, Coursera

2025