

Local-Continuity Validity Tests – Part 2

3. Joint balance test

F-test from regressing the eligibility indicator (date ≥ 0 , after reflection) on all predetermined covariates within the JEEA analysis sample. Under valid identification the joint F should be small and the p-value large ($p > 0.10$ = PASS).

Wave	F	p	N	Verdict
Wave 1 (2020)	26.671	0.000	3877	FAIL
Wave 2 (2021)	17.621	0.000	2464	FAIL

4. Visual evidence – running-variable density

Histograms of the running variable (reflected days from the RAMV deadline) by wave, with the local-polynomial density estimate superimposed. A discontinuity at the cutoff would suggest manipulation.