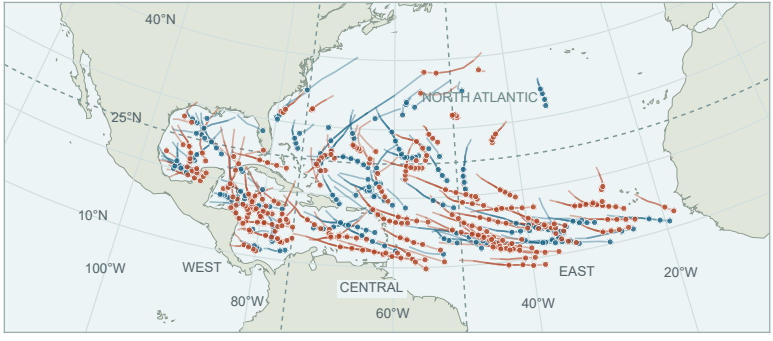
Atlantic intensification across wind-gain thresholds

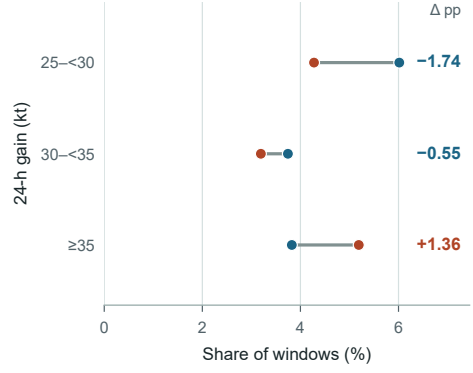
6,017 comparable 24-hour windows · 42 seasons · NOAA NHC HURDAT2

a 24-h tracks gaining ≥30 kt

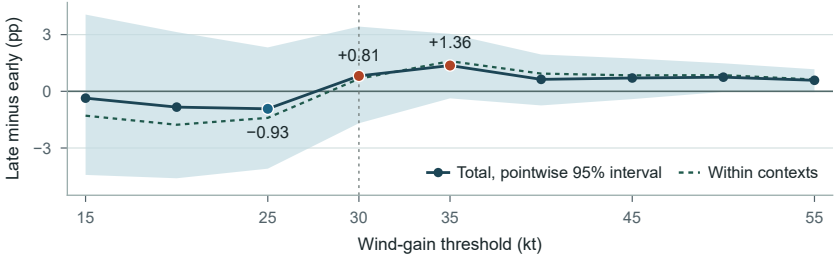


1982–2002 190/2,510 2003–2023 294/3,507

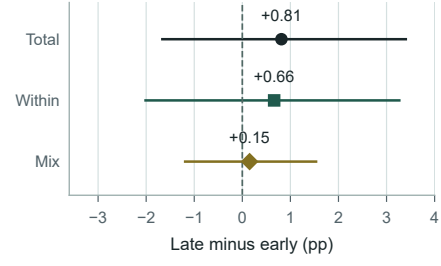
b Shares by wind-gain band



c Exploratory contrast across thresholds



d Decomposition at 30 kt

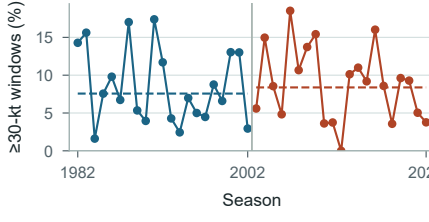


e Change and representation within starting contexts

	35–49	50–64	65–79	80–85
W · S	+2.2	+4.2	−0.5	−13.8
W · N	−6.0	−7.7	−6.1	—
C · S	−5.0	−0.3	+10.2	+20.5
C · N	−1.4	+0.8	+0.9	−0.9
E · S	−1.7	+4.7	+22.2	+25.9
E · N	+0.5	−3.1	+1.3	—

Starting wind (kt)

f Season-to-season variation



S/N split at 25°N · values in pp · circle area shows mean share of starts

Dots mark starts in a. Lambert conformal conic projection. Land from Natural Earth. pp, percentage points.