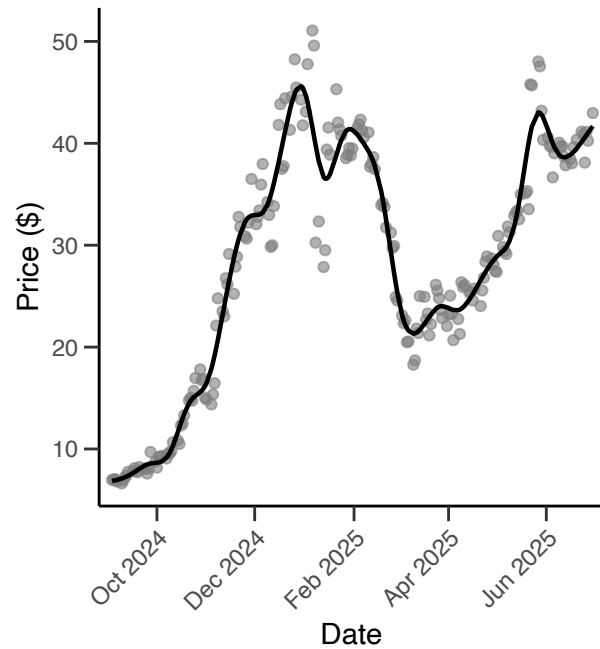


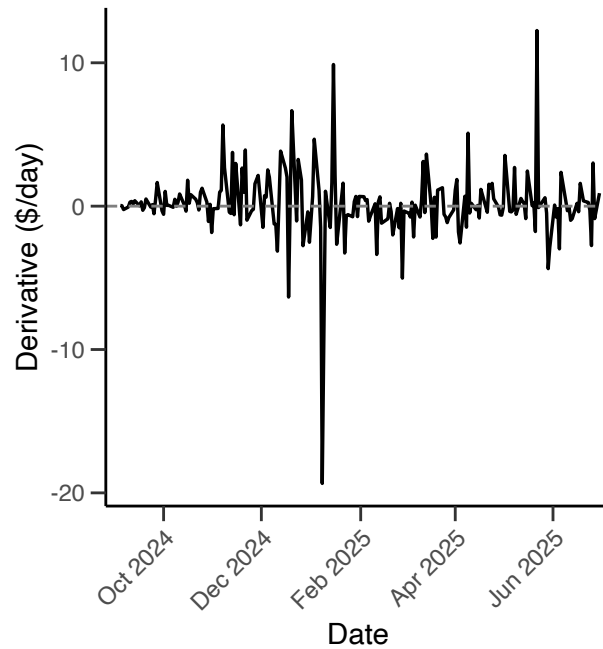
(a)

IONQ Stock Price with P-spline fit



(b)

Empirical (Noisy) Derivative



(c)

Smoothed Derivative Comparison

