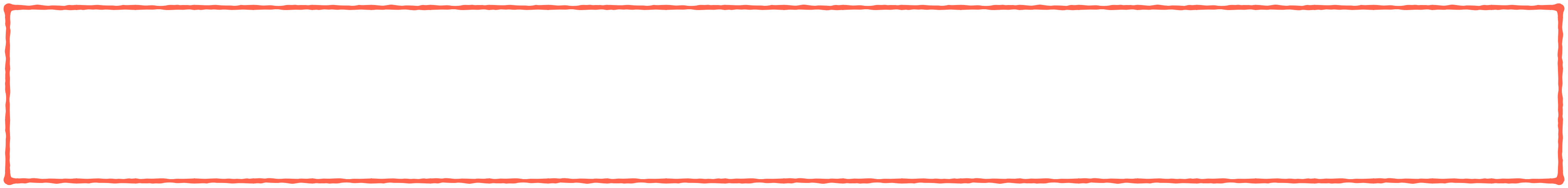
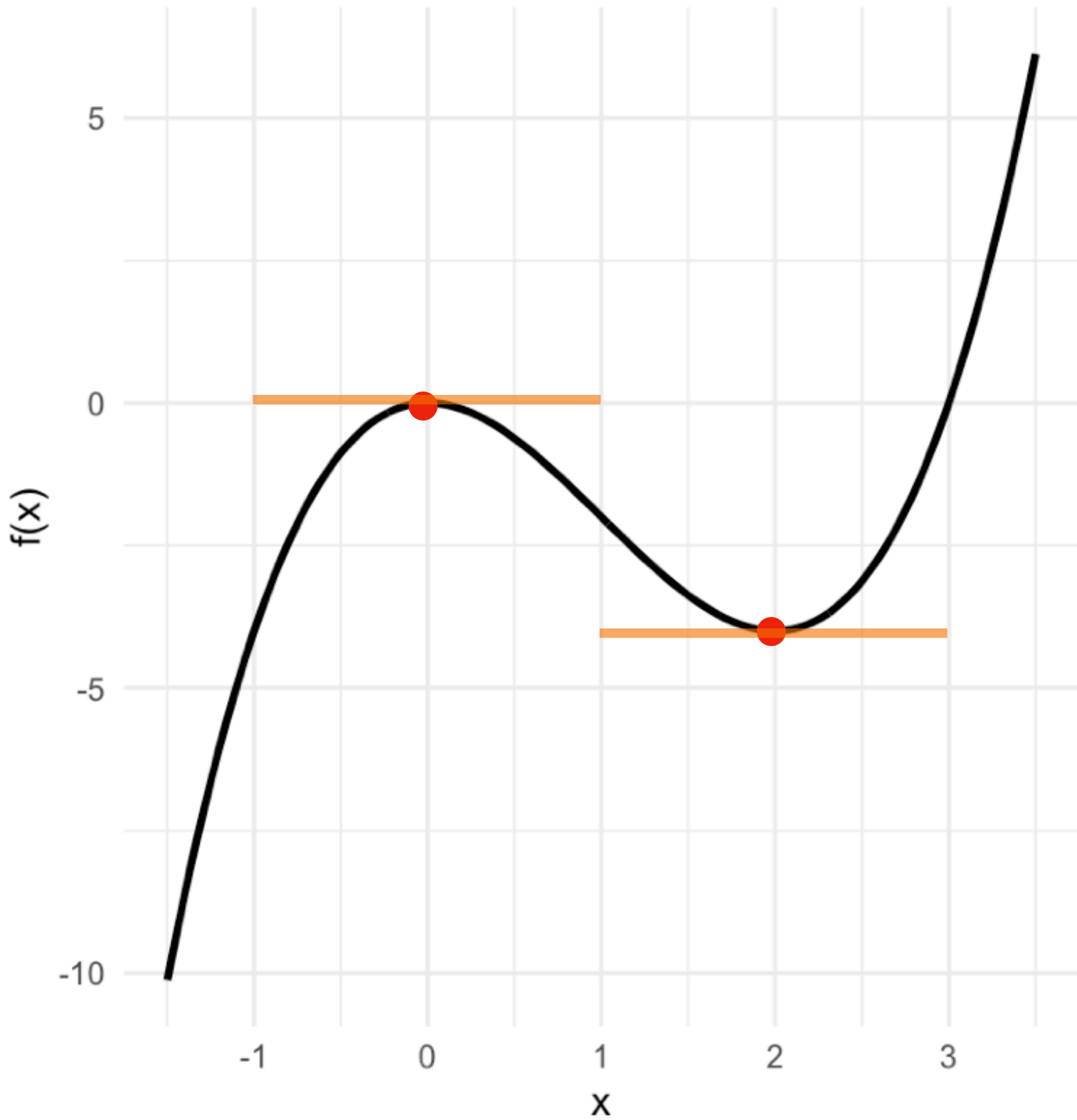


the first derivative test for local extrema





the first derivative test for local extreme values

If f has a local maximum or minimum value at an interior point c of its domain, and if f' is defined at c , then $f'(c) = 0$.



critical point

critical point