(REPLACE THIS WITH YOUR OWN PLOT) Cubic Spline with Natural Boundary Conditions  $f(x) = \sin(x)$ cubic spline 0.8 data points 0.6 0.40.2 $\mathcal{S}$ 0 -0.2-0.4-0.6-0.8 -1 0.51.5 2 2.5 3 3.5 4 4.55 5.5x