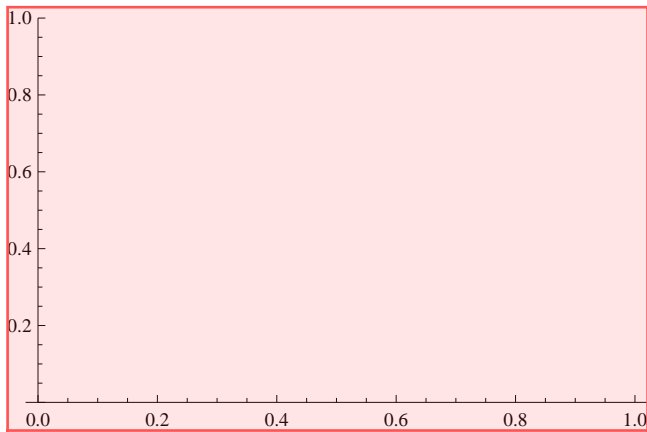


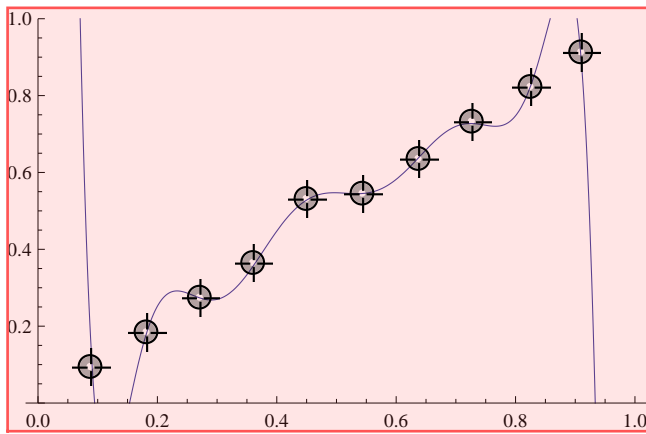
```
Off[InterpolatingFunction::dmval];  
  
{{x0, y0}, {x1, y1}, {x2, y2}} = Table[{i / 4, i / 4}, {i, 3}];  
LocatorPane[  
  Dynamic[{{x0, y0}, {x1, y1}, {x2, y2}}],  
  Dynamic[  
    ff1 = Interpolation[  
      {{x0, y0}, {x1, y1}, {x2, y2}},  
      InterpolationOrder -> 2  
    ];  
    Plot[ff1[x], {x, 0, 1}, PlotRange -> {0, 1}]  
  ],  
  {{0, 0}, {1, 1}}  
]
```



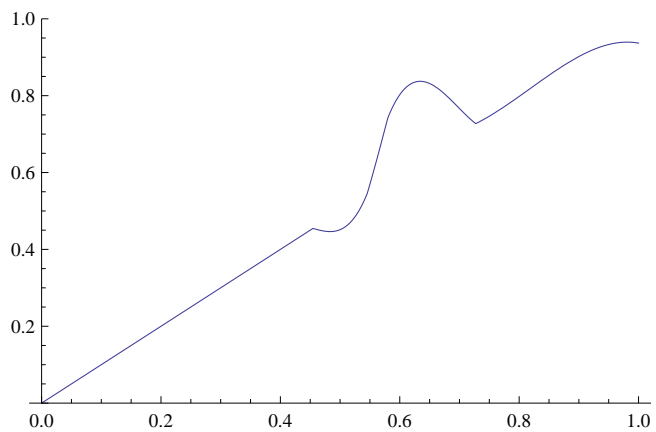
```

DynamicModule[
  {n = 10, pts, x, y},
  pts = Table[{x[i], y[i]}, {i, n}];
  Evaluate[pts] = Table[{i, i} / (n + 1), {i, n}];
  LocatorPane[
    Dynamic[pts],
    Dynamic[
      ff2 = Interpolation[
        Evaluate[pts],
        InterpolationOrder → n - 1, Method → "Hermite"
      ];
      Plot[ff2[t], {t, 0, 1}, PlotRange → {0, 1}]
    ],
    {{0, 0}, {1, 1}}
  ]
]

```



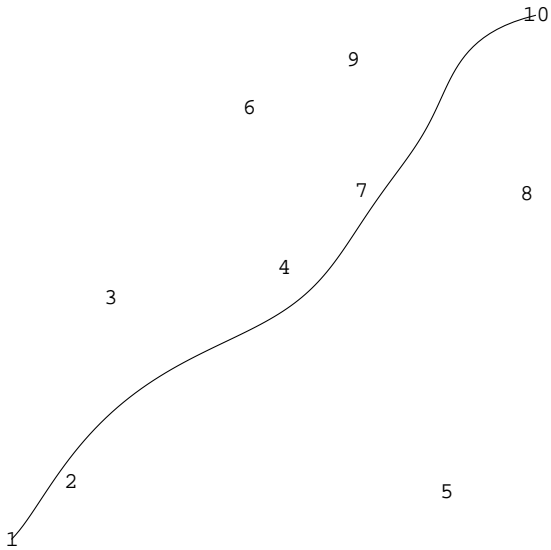
```
Plot[ff2[x], {x, 0, 1}, PlotRange → {0, 1}]
```



```

DynamicModule[
  {n = 10, pts, x, y},
  pts = Table[{x[i], y[i]}, {i, n}];
  Evaluate[pts] = Table[{i, i} / (n + 1), {i, n}];
  LocatorPane[
    Dynamic[pts],
    Dynamic[
      c = BezierCurve[Evaluate[pts], SplineDegree -> n - 1];
      Graphics[c, PlotRange -> {{0, 1}, {0, 1}}]
    ],
    {{0, 0}, {1, 1}},
    Appearance -> Range[n]
  ]
]

```



BezierFunction @@ c

BezierFunction[{{0., 1.}}, <>]