1st order polynomial fit — **2nd order polynomial fit** — **3rd order polynomial fit**
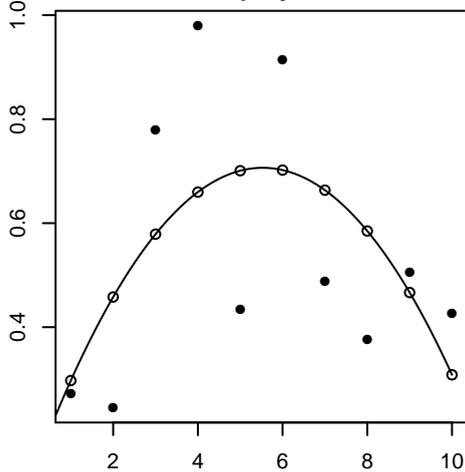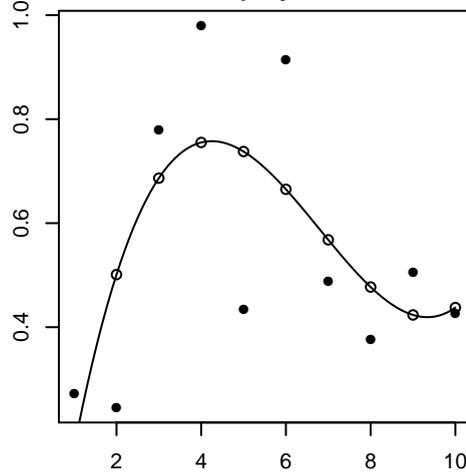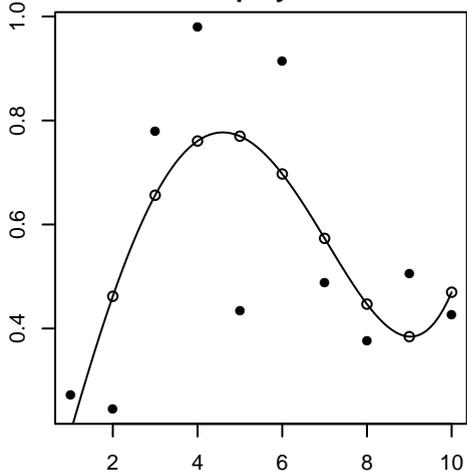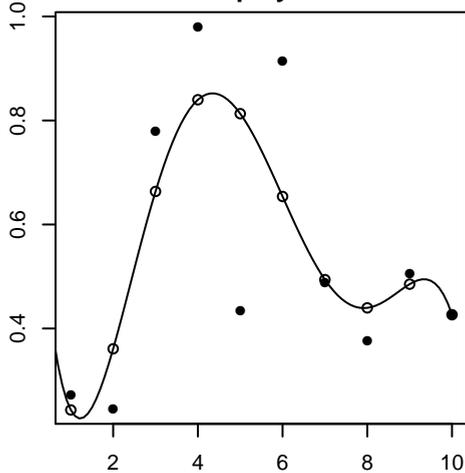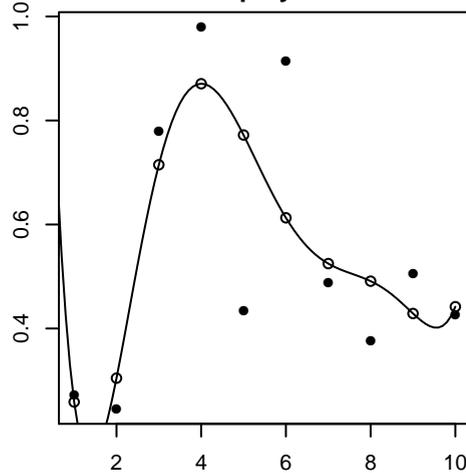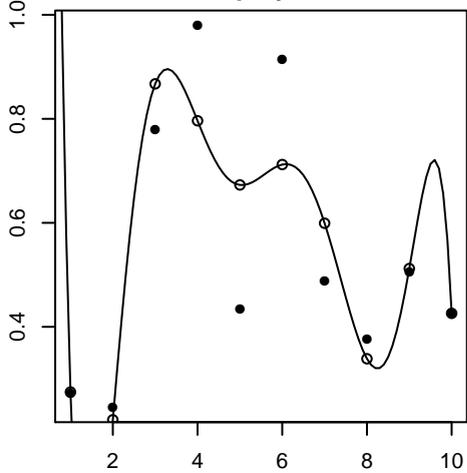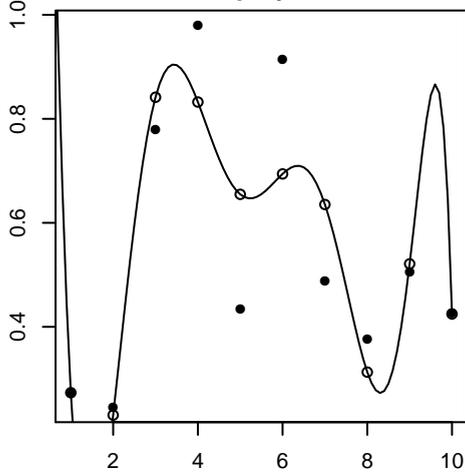
4th order polynomial fit — **5th order polynomial fit** — **6th order polynomial fit**

7th order polynomial fit — **8th order polynomial fit** — **9th order polynomial fit**