Hanze Yap C5189 HW4 3033083286 2. Gaussian Foatures The code is shown in the appendix.
For this part, the code includes the function polynomial augmentation (a) The code is shown in the appendix. in libery and part-a () in main, py The plats are also shown in the appendix with the output. From what I observe of the Atted curve, as the increase of polynomical degree, the Curve fits more and more to the dela points. This can also be seen from the of least square emor (b) The code is shown in the appendix For this part, the code includes the further pot angmentation in libery and pare _ b () in morn.py The plats are also shown in the appendix with the origint. I chesse C= -2 (= 1 G= 3 Variare: 3, 2, 0,5 The least squere error is 8,706. 6 4 6

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a	(1)	
		3. Probabilistic Principal Components Analysis (PPCA)
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