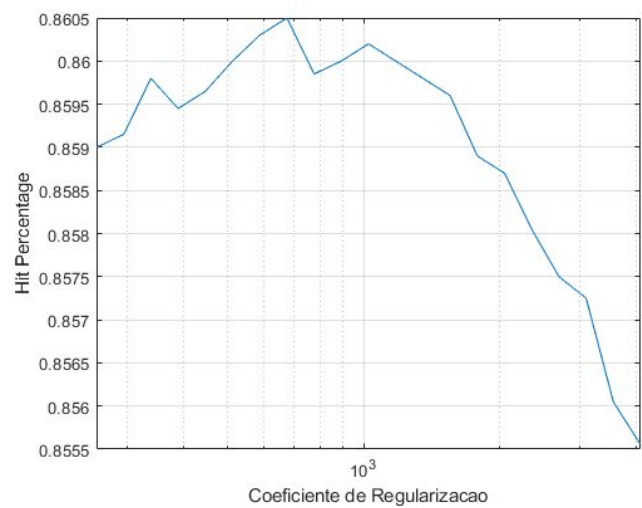
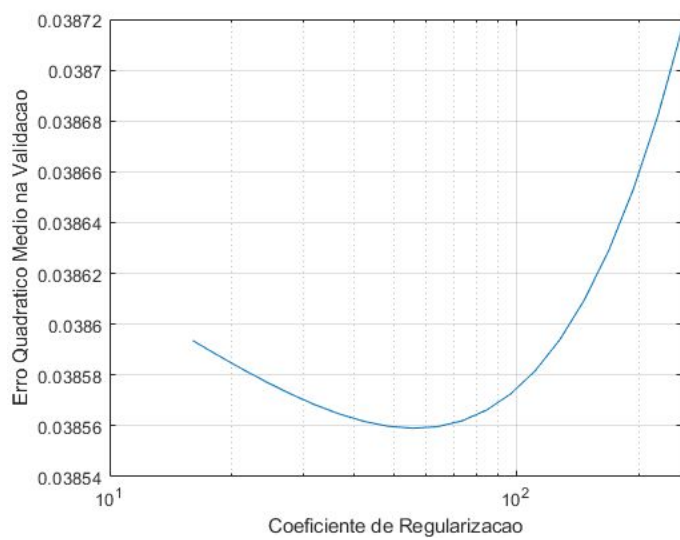
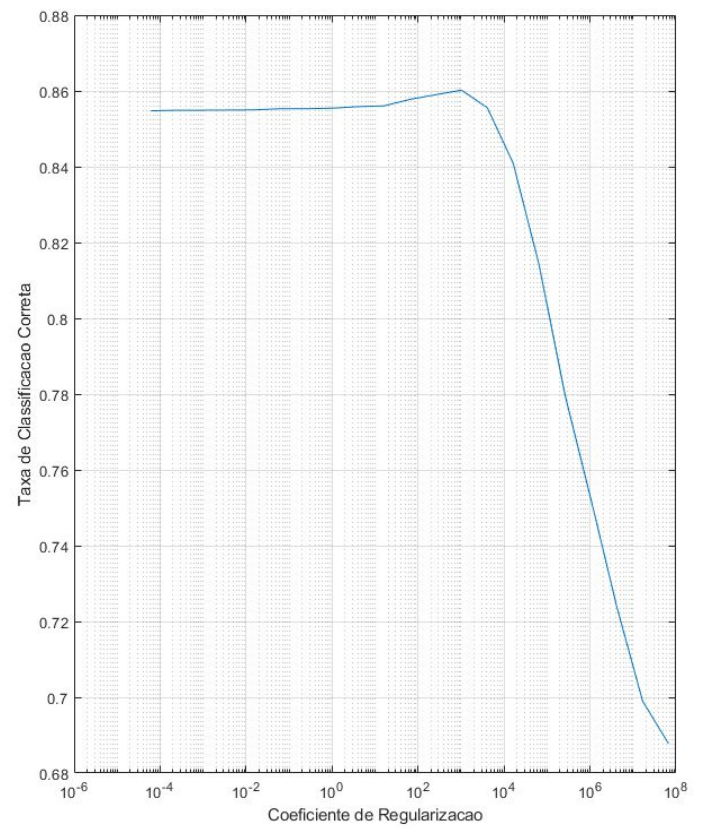
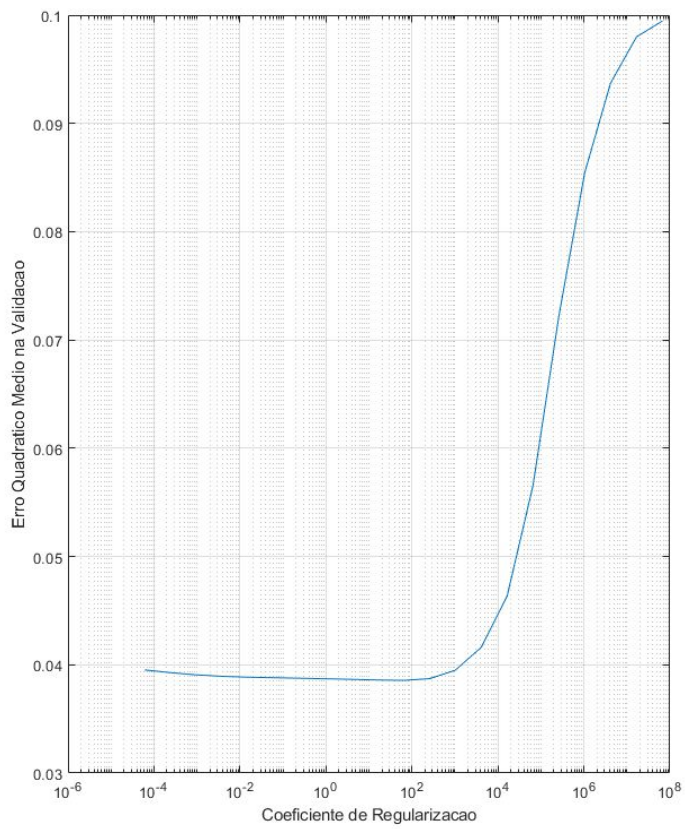


## EFC1(Q1): Linear Regression

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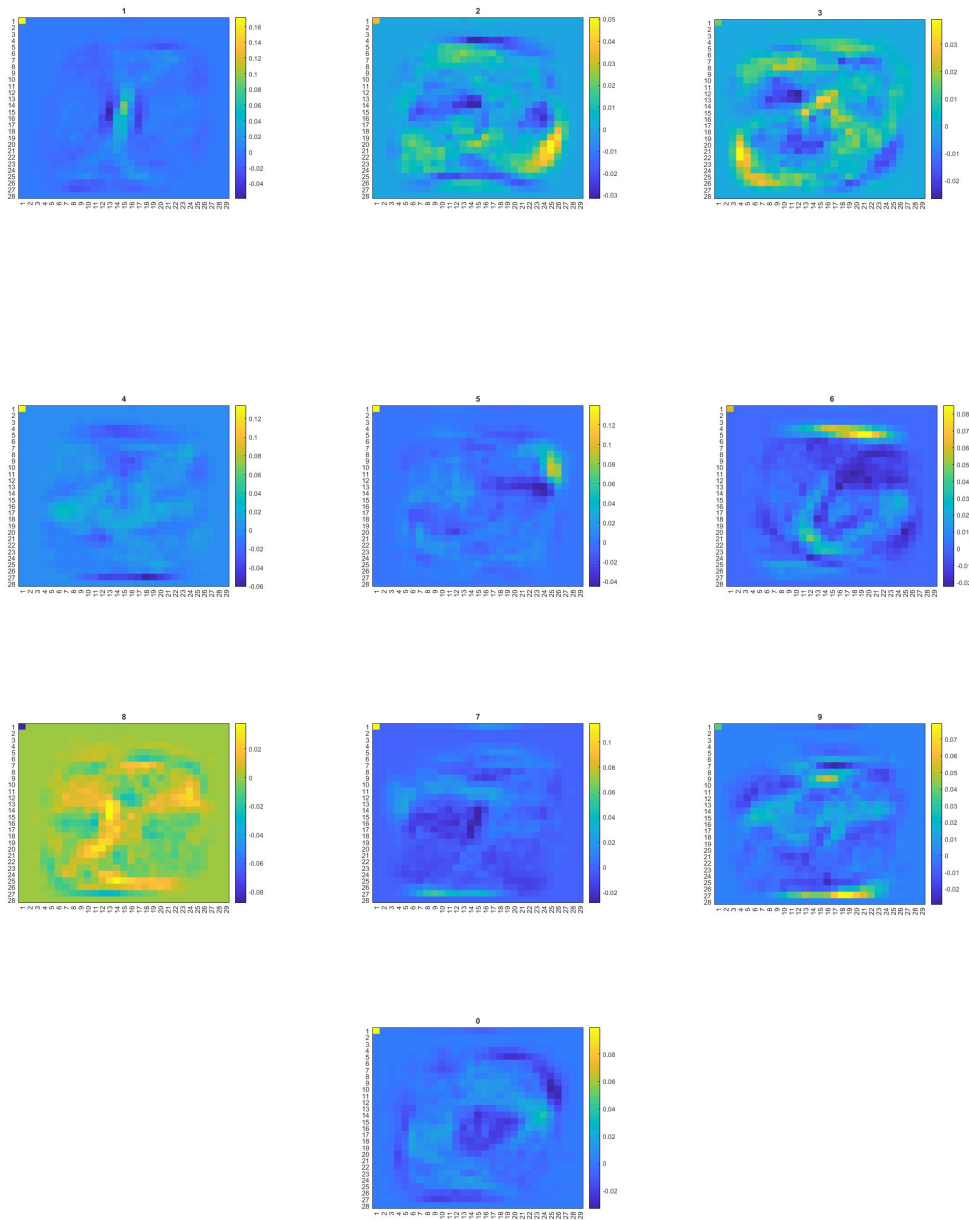
### Graphs:



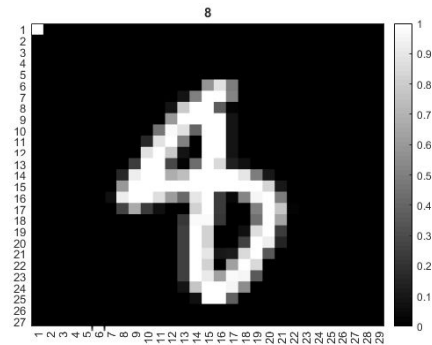
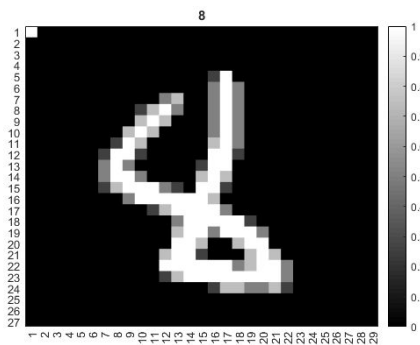
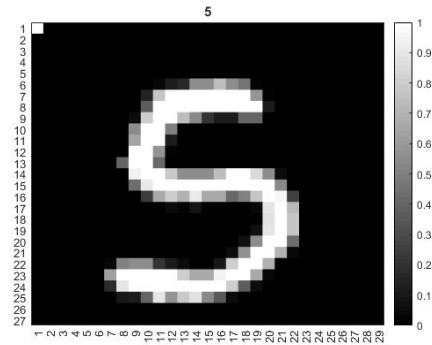
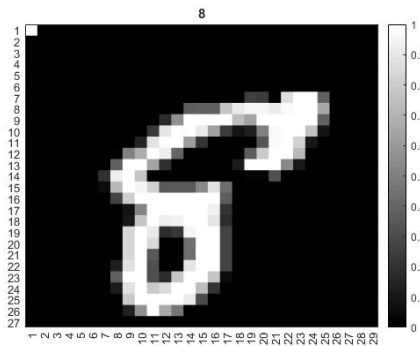
## EFC1(Q1): Linear Regression

André Barros de Medeiros ; RA:194060

Heatmaps: (1,2,...,8,9,0)



**Examples of Wrongly Classified Images:**



**Confusion Matrix:**

2118	10	4	2	9	0	8	27	1	0
94	1629	39	35	4	73	50	52	8	31
39	60	1739	7	32	28	38	46	44	17
32	7	3	1740	16	19	4	16	94	2
28	18	168	31	1283	71	27	79	62	50
33	17	1	18	12	1824	0	14	1	23
78	12	17	37	3	0	1861	4	102	26
185	22	73	29	58	23	15	1507	57	22
17	6	37	116	5	1	117	10	1602	22
3	6	5	12	16	26	4	29	1	1897

**Important Values:**

- Lambda, unrefined, for Mean Square Error: 64
- Lambda, unrefined, for “hit” percentage: 1024
- Refined, final Lambda: **891.4437768152316**