

Trabalho AV1 — Modelos de Regressão e Classificação

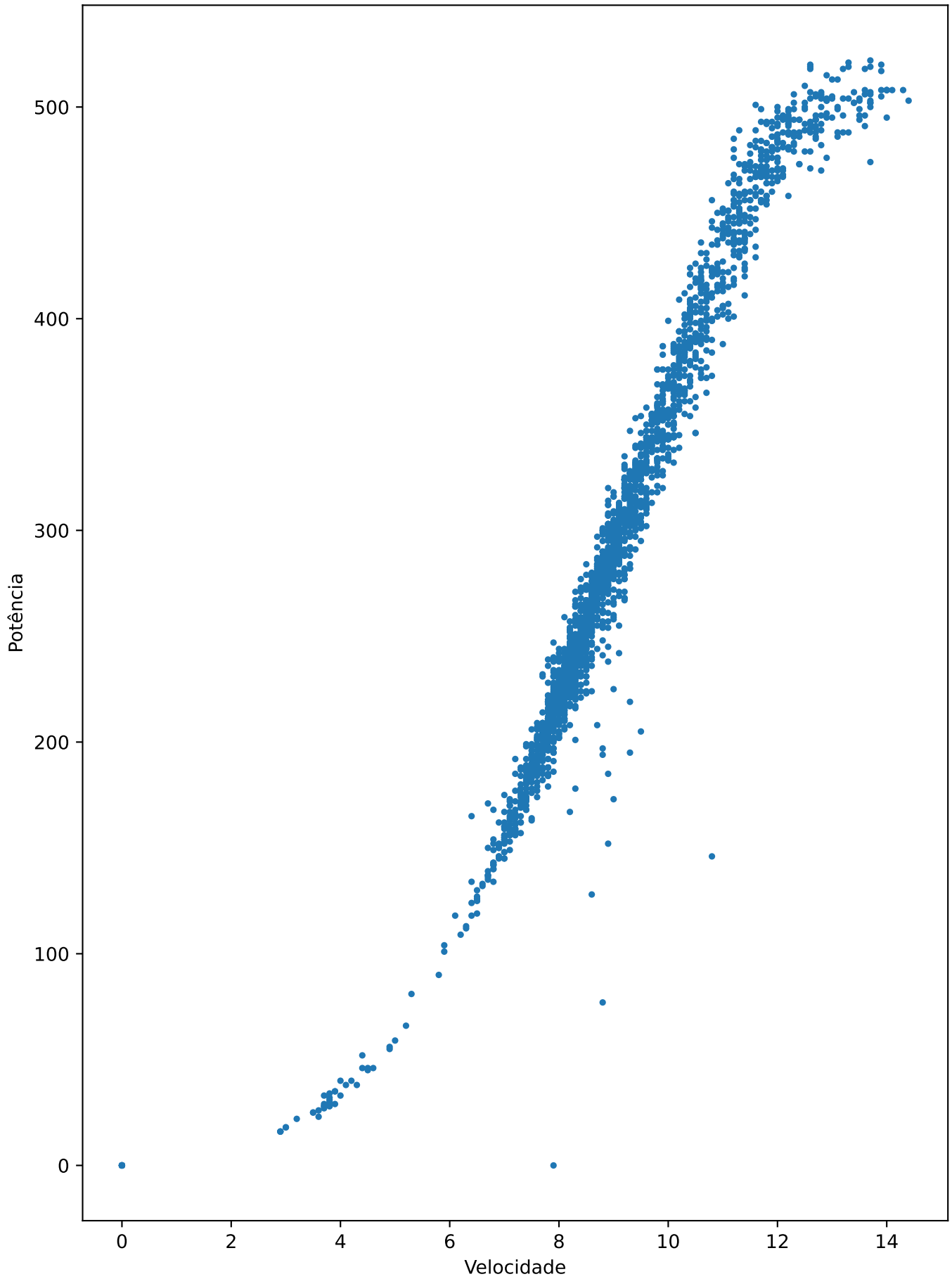
Aluno: (coloque seu nome)

Professor: Prof. Msc. Paulo Cirillo Souza Barbosa

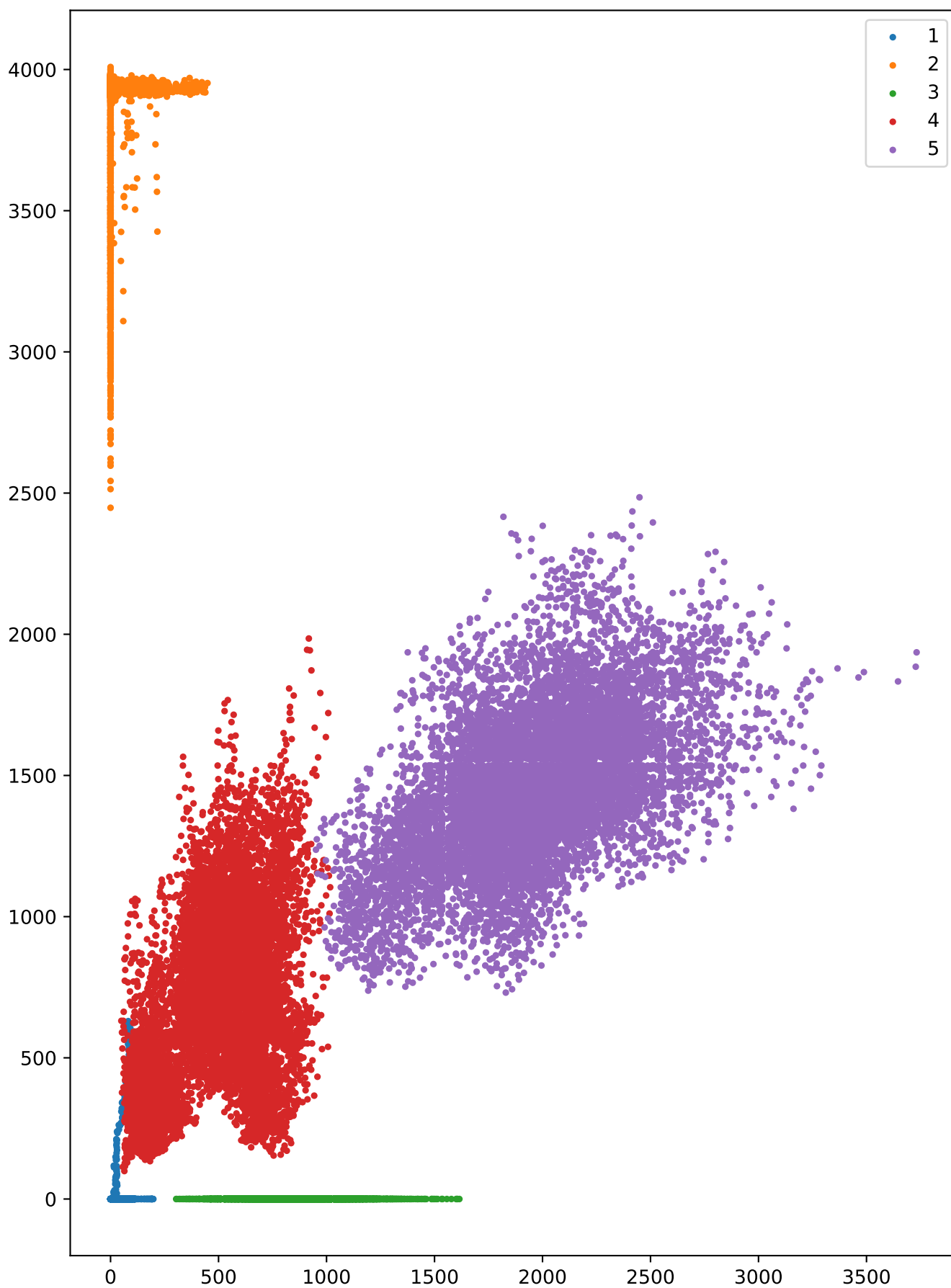
Data: 2025-09-19

Resumo e metodologia: implementações com NumPy, validação Monte Carlo, métricas: RSS (regressão

Velocidade x Potência



Modelo	Média_RSS	Desvio_RSS	Maior_RSS	Menor_RSS
Mean	4999750.386059167	277244.98302922194	5792665.586805556	4187621.152361111
OLS	360854.8413256998	76183.84950214098	600444.1713050486	187066.0331381595
Ridge_0	360854.8413256998	76183.84950214098	600444.1713050486	187066.0331381595
Ridge_0.25	360853.14349163306	76169.3325937534	600388.2209204873	187093.10729239986
Ridge_0.5	360851.46309220046	76154.82020718882	600332.2992352465	187120.19084035148
Ridge_0.75	360849.80012292083	76140.31234159233	600276.4062422515	187147.2837794603
Ridge_1.0	360848.15457931376	76125.80899610919	600220.5419344294	187174.3861071724



Modelo	Média_Acc	Desvio_Acc	Maior_Acc	Menor_Acc
MQO	0.7242723754614462	0.00670755437130671	0.7456900847035376	0.7029397110114599
Gauss_traditional	0.7999951839783892	0.0037861914265628644	0.8105762438187506	0.7886943471735868
Gauss_pooled	0.9484447048117411	0.0025061342214945654	0.9557776018994856	0.9409104612601749
NaiveBayes	0.7985038989829378	0.0037748065199838233	0.8091633868200626	0.7876203852327448
Gauss_reg_0	0.7999951839783892	0.0037861914265628644	0.8105762438187506	0.7886943471735868
Gauss_reg_0.25	0.9475158706562175	0.0022160754448910733	0.9540957657301148	0.9422328644118527
Gauss_reg_0.5	0.9457359876535473	0.0023740134453819678	0.9531064503363672	0.9399381422727726
Gauss_reg_0.75	0.9467396457986837	0.002503159251695565	0.954392560348239	0.9398050447191237
Gauss_reg_1.0	0.9484447048117411	0.0025061342214945654	0.9557776018994856	0.9409104612601749