

**ABALATION TABLES: MULTICLASS LOGISTIC REGRESSION**
**Pipeline: [zerosubgrpmean]-[smotenc]**

Note: from model history: precision &amp; recall are the default (micro), f1 score is macro avg

Optimizer	Learn R.	N. epoch	Batch size	Last Epoch Metrics							
				Loss train	Loss val	Prec train	Prec val	Recall train	Recall val	F1 train	F1 val
Adam	0.01	20	64	0.934	0.719	0.643	0.812	0.442	0.657	0.568	0.239
Adam	0.01	20	32	0.944	0.744	0.636	0.786	0.445	0.646	0.565	0.235
Adam	0.1	20	64	1.153	1.064	0.563	0.647	0.461	0.566	0.527	0.211
Adam	0.1	30	64	1.154	1.077	0.563	0.64	0.461	0.56	0.527	0.21
Adam	0.1	40	64	1.154	1.111	0.563	0.631	0.461	0.553	0.527	0.208
Adam	0.1	50	64	1.153	1.08	0.563	0.64	0.461	0.56	0.527	0.21
Adam	0.1	60	64	1.154	1.113	0.563	0.631	0.461	0.553	0.527	0.208
Adam	0.1	60	4096	0.928	0.716	0.648	0.817	0.441	0.652	0.571	0.238
Adam	0.01	60	4096	0.913	0.717	0.663	0.806	0.434	0.637	0.578	0.237
Adam	0.001	60	4096	0.912	0.727	0.665	0.802	0.432	0.631	0.578	0.235

**Pipeline: [zerosubgrpmean]-[none (imbalance)]**

Note: from model history: precision &amp; recall are the default (micro), f1 score is macro avg

Optimizer	Learn R.	N. epoch	Batch size	Last Epoch Metrics							
				Loss train	Loss val	Prec train	Prec val	Recall train	Recall val	F1 train	F1 val
Adam	0.1	60	2048	0.122	0.121	0.973	0.974	0.973	0.974	0.251	0.247
Adam	0.01	60	2048	0.114	0.114	0.974	0.974	0.974	0.974	0.247	0.248
Adam	0.001	60	2048	0.113	0.112	0.974	0.974	0.974	0.974	0.247	0.247
Adam	0.001	60	4096	0.113	0.112	0.974	0.974	0.974	0.974	0.247	0.247
SGD	0.001	60	2048	0.131	0.13	0.974	0.974	0.974	0.974	0.247	0.247
SGD	0.001	60	4096	0.14	0.139	0.974	0.974	0.974	0.974	0.247	0.247