## R2 Heatmap 30 -0.607 0.233 0.628 0 29 -0.540 0 0.269

0

0

0

0

0

0

0

0

0

0.305

0.140

0

0.324

0.239

0.432

0.431

0.405

0.221

0.341

0.663

0.563

0.537

0.369

0.613

0.810

0.270

0.704

0.718

LR

28 -

27 -

26 -

25 -

24 -

23 -

22 -

21 -

20 -

19 -

19 -18 -17 -16 -15 -13 -12 -

12 -

11 -

10 -

9 -

8 -

7 -

6 -5 -

4 -

3 -

2 -

1 -

0.465

0.516

0.751

0.764

0.564

0.549

0.464

0.624

0.659

0.685

0.625

0.558

0.597

0.384

0.338

0.788

0.736

0.294

0.734

0.316

0.766

0.691

0.698

0.684

0.715

0.704

0.440 0.602

GRU

0.603 0.254 0.552 0.270 0.660

0.188

0

0.303

0.250

0.329

0.185

0.196

0.045

0.246

0.251

0.344

0.337

0.547

0.406

0.286

0.257

0.522

0.470

0.544

0.532

0.667

0.283

0.599

**LSTM** 

Model

0.646 0.707 0.789

0.801

0.802

0.671

0.671

0.746

0.699

0.690

0.745

0.758

0.461

0.493

0.632

0.543

0.813

0.484

0.729

0.641

0.657

0.604

0.636

0.621

0.862

0.572

0.680

0.769

RF

0.705

0.704

0.549 0.591 0.817

0.747

0.743

0.747

0.672

0.770

0.774

0.447

0.451

0.611

0.488

0.819

0.473

0.734

0.621

0.656

0.613

0.649

0.624

0.789

0.591

0.654

0.667

**XGBoost** 

0.804 0.850 0.727 0.691 0.710 - 0.8

- 0.7

- 0.6

- 0.5

- 0.4

- 0.3

- 0.2

- 0.1

0.0

0.379 0.698 0.309 0.587 0.175 0.585

0.275

0.295

0.478

0.523

0.644

0.396

0.471

0

0.326

0.242

0.668

0.549

0.285

0.569

0.284

0.605

0.711

0.871

0.775

0.718

0.820

0.688

0.658

MLP