

Rocketball Derby Final Report

Timestamp (UTC): 2026-02-27T02:47:29.836702+00:00
Git hash: laaa14e93a225970a75736c5fd1f73a703e08fc3
Run metadata: C:\algosports23\AlgoSports23-Challenge\run_metadata.json
Selected config path: C:\algosports23\AlgoSports23-Challenge\selected_config.json
Selected config sha256: c9cd6d96cd2b0d5f61ce260a8899c833df412254a0e567abeb850e9350468520
Rating summary rows: 27
Model summary rows: 75
Selected outer-metric rows: 5

Selection lock

- Outer CV determines winning pipeline; full-train performs refit-only of locked choices.
- No re-selection at full train stage.
- Selection score: $\text{mean_rmse_w} + \lambda_{\text{tail}} \cdot (\text{mean_tail_rmse_w} / \text{mean_rmse_w}) + \lambda_{\text{xtail}} \cdot (\text{mean_xtail_rmse_w} / \text{mean_rmse_w}) + \lambda_{\text{disp}} \cdot |\log(\text{disp_ratio_w})| + \lambda_{\text{cap_hit}} \cdot s_{\text{cap_hit_rate}} + \lambda_{\text{tbias}} \cdot |\text{tail_bias_w}| + \lambda_{\text{tdisp}} \cdot |\log(\text{tail_disp_ratio_w})| + \lambda_{\text{stability}} \cdot \text{std_rmse}$.

Selected config (locked)

```
{
  "selection_lock": true,
  "elok_secondary_only": true,
  "selected_at": "2026-02-27T02:47:29.836702+00:00",
  "git_hash": "laaa14e93a225970a75736c5fd1f73a703e08fc3",
  "outer_fold_count": 5,
  "rating_stage": {
    "config_id":
"massey_alpha=1.0|use_elo=1|elo_home_adv=60.0|elo_k=24.0|elo_decay_a=0.25|elo_decay_g=50.0",
    "lambda_tail": 0.1,
    "lambda_xtail": 0.05,
    "lambda_stability": 0.1,
    "lambda_disp": 0.05,
    "lambda_cap_hit": 0.0,
    "lambda_tbias": 0.0,
    "lambda_tdisp": 0.05,
    "spec": {
      "massey_alpha": 1.0,
      "use_elo": true,
      "elo_home_adv": 60.0,
      "elo_k": 24.0,
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      "elo_decay_g": 50.0
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  },
  "model_stage": {
    "config_id":
"massey_alpha=1.0|use_elo=1|elo_home_adv=60.0|elo_k=24.0|elo_decay_a=0.25|elo_decay_g=50.0||elasticnet|alpha=1.0|l1_ratio=0.12||module=expand_affine_global",
    "lambda_tail": 0.1,
    "lambda_xtail": 0.05,
    "lambda_stability": 0.1,
    "lambda_disp": 0.05,
    "lambda_cap_hit": 0.0,
    "lambda_tbias": 0.0,
    "lambda_tdisp": 0.05,
    "model_spec": {
      "model_name": "elasticnet",
      "params": {
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```
    "l1_ratio": 0.12,
    "alpha": 1.0
  }
},
"module": "expand_affine_global",
"gate_rejections_count": 55,
"massey_gate_applied": false,
"massey_gate_reason": "",
"best_of_three_applied": true,
"best_of_three_feasible_count": 3,
"best_of_three_pool_count": 3
},
"oof_paths": {
  "csv": "C:\\algorithms23\\AlgoSports23-Challenge\\oof_predictions.csv",
  "parquet": "C:\\algorithms23\\AlgoSports23-Challenge\\oof_predictions.parquet"
},
"feature_set": "F2",
"features": [
  "massey_diff",
  "elok_diff",
  "games_played_diff",
  "volatility_diff"
],
"selection_score": "mean_rmse_w + lambda_tail*(mean_tail_rmse_w/mean_rmse_w) +
lambda_xtail*(mean_xtail_rmse_w/mean_rmse_w) + lambda_disp*abs(log(mean_dispersion_ratio_w)) +
lambda_cap_hit*s_cap_hit_rate + lambda_tbias*abs(mean_tail_bias_w) +
lambda_tdisp*abs(log(mean_tail_dispersion_ratio_w)) + lambda_stability*std_rmse",
"postprocessor_fit": {
  "module": "expand_affine_global",
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    "a": -1.2424798975636318,
    "s": 1.4268911371154784,
    "s_uncapped": 1.4268911371154784,
    "s_cap": 1.6,
    "s_cap_hit": false,
    "n_oof": 746,
    "eta": 0.7,
    "s_star": 1.0533373677158486,
    "a_star": 0.45915266436038316,
    "naive_r": 2.0384159101649693,
    "r_base": 0.49057701866105907,
    "underdispersed": true,
    "fallback": false
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  "params": {},
  "invalid": false,
  "invalid_reason": ""
},
"derby_pred_distribution": {
  "n": 75,
  "mean": -4.373452657739398,
  "std": 26.904746835107705,
  "p05": -51.31226850216705,
```

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```
    "p50": -3.5257195759182114,  
    "p95": 40.88380198654508  
  },  
  "runner_up_configs_path": "C:\\algosports23\\AlgoSports23-Challenge\\runner_up_configs.json"  
}
```

Validation Design

Nested expanding CV (leakage-safe)

Outer fold k:

train(earlier dates) -----> val(later dates)

- 1) Fit fold-local ratings/features on outer-train only.
- 2) Train base regressor on outer-train.
- 3) Build inner expanding splits within outer-train.
- 4) Generate inner OOF base predictions.
- 5) Fit postprocessor on inner OOF only.
- 6) Apply postprocessor to outer-val predictions.

No game uses future outcomes for its own features/prediction.

Outer folds:

fold 1: train 2025-01-01..2025-01-12 | val 2025-01-23..2025-02-19

fold 2: train 2025-01-01..2025-02-19 | val 2025-03-03..2025-04-02

fold 3: train 2025-01-01..2025-04-02 | val 2025-04-14..2025-04-30

fold 4: train 2025-01-01..2025-04-30 | val 2025-05-13..2025-05-29

fold 5: train 2025-01-01..2025-05-29 | val 2025-05-30..2025-06-30

Dispersion and Ratings

Affine dispersion correction derivation

Given $\hat{y} = a + s p$, minimize $E[(y - (a + s p))^2]$.

Set partial derivatives to zero:

$$d/da: E[y - a - s p] = 0 \rightarrow a = E[y] - s E[p]$$

$$d/ds: E[p(y - a - s p)] = 0$$

Substitute a and solve:

$$s^* = \text{Cov}(p, y) / \text{Var}(p)$$

$$a^* = \text{mean}(y) - s^* \text{mean}(p)$$

Fallback when covariance/variance unstable: $s \sim \text{std}(y)/\text{std}(p)$.

Illustrative prior baseline ratio $\text{std}(y)/\text{std}(p)$: 1.668 (43.62/26.15).

Expansion slope rule (anti-compression under under-dispersion):

$$r_{\text{base}} = \text{std}(p_{\text{oof_train}}) / \text{std}(y_{\text{train}})$$

if $r_{\text{base}} < 0.90$: choose $s = \max(1.0, \eta * \text{naive}_r)$, η in $\{0.55, 0.60, 0.65, 0.70\}$

where $\text{naive}_r = \text{std}(y_{\text{train}}) / \text{std}(p_{\text{oof_train}})$

else: $s = \text{clip}(s_{\text{star}}, 0.8, 1.2)$

then recompute $a = \text{mean}(y) - s * \text{mean}(p)$ with selected s

Rating methods

- Massey ridge anchor: $\text{margin} = r_{\text{home}} - r_{\text{away}} + h + \text{eps}$; neutral inference uses $h=0$.
- EloK is secondary feature only (pregame diff, optional linear K-decay).
- EloK is never allowed as standalone model family.

Failure Analysis

Failure analysis of 308 run

- Early fold instability produced fold-1 RMSE blowups (observed near ~ 70).
- Affine slope expansion could overshoot in small-00F folds (observed s near ~ 2.6).
- Over-dispersion appeared in selected configs (dispersion ratio > 1.05), hurting generalization.
- 1SE + simplicity-first tie-break could pick brittle configs over better-scoring alternatives.

Guardrails Added

Guardrails added

- Stability lambda enforced: lambda_stability in {0.10, 0.20} (no zero).
- Selection uses weighted fold metrics (0.10,0.15,0.20,0.25,0.30) to emphasize late season.
- Eta search restricted to {0.55,0.60,0.65,0.70}; higher eta values (0.8/0.9/1.0) removed.
- Cap-hit penalty in score and cap-hit rejection gate to avoid selecting cap-bound calibrations.
- Hard gates: max_fold_rmse, fold1_rmse, mean_dispersion_ratio upper bound, tail-dispersion, under-dispersion expansion checks.
- Score-first 1SE tie-break: sort by score first, simplicity only as tie-break.
- Massey alpha grid hardened: removed alpha=0.1; using {1.0, 10.0, 50.0}.
- Expansion slope caps by inner OOF size: n<120=>1.25, <200=>1.35, <300=>1.45, else 1.60.
- CV-only over-dispersion correction: if fold disp>1.10 (or 1.15 for n_oof>=300), one-step slope shrink; reject if still above threshold.
- Piecewise tail eligibility gate: allowed only when max_fold_rmse<=45 and mean_disp in [0.75,1.00].

Candidate Stability Summary (rows=75)

config_id	mean_rmse	std_rmse	max_fold_rmse	fold1_rmse	mean_tail_rmse	mean_dispersion_ratio
mean_dispersion_ratio_w	mean_affine_s	mean_blowout_s	s_cap_hit_rate	cv_disp_guard_fail_rate	invalid_postprocess_rate	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=expand_regime_affine_v2						
35.397225	3.635764	38.806889	38.806889	57.558260	0.543018	0.545595
1.314167	1.149699	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=expand_regime_affine_v2_heterosk						
35.397225	3.635764	38.806889	38.806889	57.558260	0.543018	0.545595
1.314167	1.149699	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=none						
35.397225	3.635764	38.806889	38.806889	57.558260	0.543018	0.545595
1.314167	NaN	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=expand_regime_affine_v2						
35.410288	3.640853	38.834574	38.834574	57.625227	0.540819	0.543347
1.318123	1.151964	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=expand_regime_affine_v2_heterosk						
35.410288	3.640853	38.834574	38.834574	57.625227	0.540819	0.543347
1.318123	1.151964	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=none						
35.410288	3.640853	38.834574	38.834574	57.625227	0.540819	0.543347
1.318123	NaN	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=expand_regime_affine_v2						
35.423440	3.645755	38.861912	38.861912	57.691894	0.538630	0.541109
1.322094	1.154774	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=expand_regime_affine_v2_heterosk						
35.423440	3.645755	38.861912	38.861912	57.691894	0.538630	0.541109
1.322094	1.154774	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=none						
35.423440	3.645755	38.861912	38.861912	57.691894	0.538630	0.541109
1.322094	NaN	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=50.0 module=expand_regime_affine_v2						
35.450690	3.346662	38.504167	38.504167	55.589930	0.636139	0.644698
1.193647	1.092794	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=50.0 module=expand_regime_affine_v2_heterosk						
35.450690	3.346662	38.504167	38.504167	55.589930	0.636139	0.644698
1.193647	1.092794	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=50.0 module=none						
35.450690	3.346662	38.504167	38.504167	55.589930	0.636139	0.644698
1.193647	NaN	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=100.0 module=expand_regime_affine_v2						
35.451487	3.597242	39.104235	39.104235	56.311931	0.607687	0.623041
1.261864	1.151889	0.25		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=100.0 module=expand_regime_affine_v2_heterosk						
35.451487	3.597242	39.104235	39.104235	56.311931	0.607687	0.623041
1.261864	1.151889	0.25		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=100.0 module=none						
35.451487	3.597242	39.104235	39.104235	56.311931	0.607687	0.623041
1.261864	NaN	0.25		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=expand_regime_affine_v2						
35.506022	3.164759	38.140362	38.140362	55.133725	0.654124	0.657808
1.149118	1.065632	0.10		0.0		1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=expand_regime_affine_v2_heterosk						
35.506022	3.164759	38.140362	38.140362	55.133725	0.654124	0.657808

Candidate Stability Summary (rows=75) (cont.)

1.149118	1.065632	0.10	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none						
35.506022	3.164759	38.140362	38.140362	55.133725	0.654124	0.657808
1.149118	NaN	0.10	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.12 module=expand_regime_affine_v2						
35.635721	3.677317	39.166310	39.166310	58.907612	0.495362	0.497571
1.387712	1.212276	0.25	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.12 module=expand_regime_affine_v2_heterosk						
35.635721	3.677317	39.166310	39.166310	58.907612	0.495362	0.497571
1.387712	1.212276	0.25	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.12 module=none						
35.635721	3.677317	39.166310	39.166310	58.907612	0.495362	0.497571
1.387712	NaN	0.25	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.1 module=expand_regime_affine_v2						
35.656818	3.680898	39.199025	39.199025	58.992780	0.492614	0.494760
1.392218	1.216492	0.25	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.1 module=expand_regime_affine_v2_heterosk						
35.656818	3.680898	39.199025	39.199025	58.992780	0.492614	0.494760
1.392218	1.216492	0.25	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.1 module=none						
35.656818	3.680898	39.199025	39.199025	58.992780	0.492614	0.494760
1.392218	NaN	0.25	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.08 module=expand_regime_affine_v2						
35.677940	3.684277	39.231192	39.231192	59.077159	0.489893	0.491975
1.396731	1.221128	0.25	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.08 module=expand_regime_affine_v2_heterosk						
35.677940	3.684277	39.231192	39.231192	59.077159	0.489893	0.491975
1.396731	1.221128	0.25	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.08 module=none						
35.677940	3.684277	39.231192	39.231192	59.077159	0.489893	0.491975
1.396731	NaN	0.25	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.35 module=expand_regime_affine_v2						
35.714014	3.105493	38.419761	38.419761	54.744674	0.670051	0.667360
1.113936	1.051296	0.10	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.35 module=expand_regime_affine_v2_heterosk						
35.714014	3.105493	38.419761	38.419761	54.744674	0.670051	0.667360
1.113936	1.051296	0.10	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.35 module=none						
35.714014	3.105493	38.419761	38.419761	54.744674	0.670051	0.667360
1.113936	NaN	0.10	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.2 module=expand_regime_affine_v2						
35.797551	3.160438	38.760474	38.760474	54.756863	0.671258	0.666211
1.108515	1.048090	0.10	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.2 module=expand_regime_affine_v2_heterosk						
35.797551	3.160438	38.760474	38.760474	54.756863	0.671258	0.666211
1.108515	1.048090	0.10	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.2 module=none						
35.797551	3.160438	38.760474	38.760474	54.756863	0.671258	0.666211
1.108515	NaN	0.10	0.0	1.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.08 module=expand_affine_global						
35.830106	3.764932	39.533402	39.533402	55.923613	0.636597	0.655906
1.500000	NaN	1.00	0.0	0.0		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=expand_affine_global						

Candidate Stability Summary (rows=75) (cont.)

35.837331	3.750334	39.503949	39.503949	55.806913	0.641371	0.660900
1.500000	NaN	1.00	1.00	0.0	0.0	0.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=expand_affine_global						
35.845935	3.735169	39.473887	39.473887	55.689208	0.646213	0.665960
1.500000	NaN	1.00	1.00	0.0	0.0	0.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.12 module=expand_affine_global						
35.944707	3.799243	39.477395	39.227631	54.688348	0.689171	0.698246
1.387712	NaN	0.25	0.25	0.0	0.0	0.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.1 module=expand_affine_global						
35.945073	3.796071	39.443932	39.253010	54.733554	0.687583	0.697124
1.392218	NaN	0.25	0.25	0.0	0.0	0.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.08 module=expand_affine_global						
35.945524	3.793061	39.411346	39.277876	54.778277	0.686012	0.696013
1.396731	NaN	0.25	0.25	0.0	0.0	0.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=expand_affine_global						
36.037145	3.924604	40.123582	39.097344	54.072606	0.714957	0.715351
1.314167	NaN	0.10	0.10	0.0	0.0	0.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=expand_affine_global						
36.044287	3.931124	40.132728	39.118740	54.107667	0.714237	0.714869
1.318123	NaN	0.10	0.10	0.0	0.0	0.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=expand_affine_global						
36.051360	3.937454	40.141637	39.139782	54.142387	0.713521	0.714389
1.322094	NaN	0.10	0.10	0.0	0.0	0.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=expand_regime_affine_v2						
36.112412	3.688009	39.685828	39.685828	60.830592	0.429444	0.431078
1.500000	1.318242	1.00	1.00	0.0	1.0	1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=expand_regime_affine_v2_heterosk						
36.112412	3.688009	39.685828	39.685828	60.830592	0.429444	0.431078
1.500000	1.318242	1.00	1.00	0.0	1.0	1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=none						
36.112412	3.688009	39.685828	39.685828	60.830592	0.429444	0.431078
1.500000	NaN	1.00	1.00	0.0	1.0	1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=expand_regime_affine_v2						
36.144474	3.689568	39.722910	39.722910	60.931760	0.426246	0.427812
1.500000	1.320070	1.00	1.00	0.0	1.0	1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=expand_regime_affine_v2_heterosk						
36.144474	3.689568	39.722910	39.722910	60.931760	0.426246	0.427812
1.500000	1.320070	1.00	1.00	0.0	1.0	1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=none						
36.144474	3.689568	39.722910	39.722910	60.931760	0.426246	0.427812
1.500000	NaN	1.00	1.00	0.0	1.0	1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.08 module=expand_regime_affine_v2						
36.176588	3.691122	39.759263	39.759263	61.031774	0.423092	0.424590
1.500000	1.321902	1.00	1.00	0.0	1.0	1.0
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.08 module=expand_regime_affine_v2_heterosk						
36.176588	3.691122	39.759263	39.759263	61.031774	0.423092	0.424590
1.500000	1.321902	1.00	1.00	0.0	1.0	1.0
... (25 more rows)						

Model Benchmark Table Group 1 (Config, rows=75)

[illegible]

Model Benchmark Table Group 1 (Config, rows=75) (cont.)

[illegible]

Model Benchmark Table Group 1 (Config, rows=75) (cont.)

[illegible]

Model Benchmark Table Group 2 (Metrics, rows=75)

config_id	mean_rmse	mean_rmse_w	std_rmse	mean_mae	mean_mae_w	mean_tail_rmse	mean_tail_rmse_w	mean_xtail_rmse
mean_xtail_rmse_w mean_dispersion_ratio mean_dispersion_ratio_w mean_tail_dispersion_ratio								
mean_tail_dispersion_ratio_w mean_bias mean_bias_w mean_tail_bias mean_tail_bias_w n_folds								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=expand_regime_affine_v2								
35.397225	34.866403	3.635764	27.976331	27.587178	57.558260	57.008262	65.498399	
64.262545		0.543018		0.545595		0.379081		0.381886
-1.180573	-1.096548	-9.408907		-9.354729	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=expand_regime_affine_v2_heterosk								
35.397225	34.866403	3.635764	27.976331	27.587178	57.558260	57.008262	65.498399	
64.262545		0.543018		0.545595		0.379081		0.381886
-1.180573	-1.096548	-9.408907		-9.354729	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=none								
35.397225	34.866403	3.635764	27.976331	27.587178	57.558260	57.008262	65.498399	
64.262545		0.543018		0.545595		0.379081		0.381886
-1.180573	-1.096548	-9.408907		-9.354729	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=expand_regime_affine_v2								
35.410288	34.878882	3.640853	27.985473	27.596551	57.625227	57.073780	65.567307	
64.331051		0.540819		0.543347		0.377460		0.380260
-1.156353	-1.076513	-9.392252		-9.343377	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=expand_regime_affine_v2_heterosk								
35.410288	34.878882	3.640853	27.985473	27.596551	57.625227	57.073780	65.567307	
64.331051		0.540819		0.543347		0.377460		0.380260
-1.156353	-1.076513	-9.392252		-9.343377	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=none								
35.410288	34.878882	3.640853	27.985473	27.596551	57.625227	57.073780	65.567307	
64.331051		0.540819		0.543347		0.377460		0.380260
-1.156353	-1.076513	-9.392252		-9.343377	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=expand_regime_affine_v2								
35.423440	34.891514	3.645755	27.995077	27.606560	57.691894	57.139119	65.636002	
64.399441		0.538630		0.541109		0.375848		0.378643
-1.132643	-1.056916	-9.375763		-9.332101	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=expand_regime_affine_v2_heterosk								
35.423440	34.891514	3.645755	27.995077	27.606560	57.691894	57.139119	65.636002	
64.399441		0.538630		0.541109		0.375848		0.378643
-1.132643	-1.056916	-9.375763		-9.332101	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=none								
35.423440	34.891514	3.645755	27.995077	27.606560	57.691894	57.139119	65.636002	
64.399441		0.538630		0.541109		0.375848		0.378643
-1.132643	-1.056916	-9.375763		-9.332101	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=50.0 module=expand_regime_affine_v2								
35.450690	34.928237	3.346662	28.052071	27.682469	55.589930	54.919335	63.507158	
62.157037		0.636139		0.644698		0.445067		0.451406
-2.356561	-2.247598	-9.961047		-9.663081	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=50.0 module=expand_regime_affine_v2_heterosk								
35.450690	34.928237	3.346662	28.052071	27.682469	55.589930	54.919335	63.507158	
62.157037		0.636139		0.644698		0.445067		0.451406
-2.356561	-2.247598	-9.961047		-9.663081	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=50.0 module=none								
35.450690	34.928237	3.346662	28.052071	27.682469	55.589930	54.919335	63.507158	
62.157037		0.636139		0.644698		0.445067		0.451406
-2.356561	-2.247598	-9.961047		-9.663081	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=100.0 module=expand_regime_affine_v2								
35.451487	34.850616	3.597242	28.008931	27.586363	56.311931	55.323055	64.196191	

Model Benchmark Table Group 2 (Metrics, rows=75) (cont.)

62.531561	-1.782870	35.451487	62.531561	-1.782870	35.451487	62.531561	-1.782870	35.451487	62.531561		
0.607687	-1.801865	34.850616	0.607687	-1.801865	34.850616	0.607687	-1.801865	34.850616	0.607687	0.623041	0.424473
-9.582360	-9.582360	28.008931	-9.582360	-9.582360	28.008931	-9.582360	-9.582360	28.008931	-9.582360	5	0.436196
-9.459741	5	27.586363	-9.459741	5	27.586363	-9.459741	5	27.586363	-9.459741	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=100.0 module=expand_regime_affine_v2_heterosk											
56.311931	55.323055	64.196191	56.311931	55.323055	64.196191	56.311931	55.323055	64.196191	56.311931	55.323055	64.196191
0.623041	0.424473	0.436196	0.623041	0.424473	0.436196	0.623041	0.424473	0.436196	0.623041	0.424473	0.436196
-9.459741	5	27.586363	-9.459741	5	27.586363	-9.459741	5	27.586363	-9.459741	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=100.0 module=none											
56.311931	55.323055	64.196191	56.311931	55.323055	64.196191	56.311931	55.323055	64.196191	56.311931	55.323055	64.196191
0.623041	0.424473	0.436196	0.623041	0.424473	0.436196	0.623041	0.424473	0.436196	0.623041	0.424473	0.436196
-9.459741	5	27.586363	-9.459741	5	27.586363	-9.459741	5	27.586363	-9.459741	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=expand_regime_affine_v2											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=expand_regime_affine_v2_heterosk											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none											
55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267	55.133725	54.732391	63.118267
0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464	0.654124	0.458208	0.460464
-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	27.793639	-9.812639	5	
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0											

Model Benchmark Table Group 2 (Metrics, rows=75) (cont.)

-0.742228	-0.737136	-9.039777	-9.098105	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.08 module=none							
35.677940	35.164788	3.684277	28.189667	27.819569	59.077159	58.531978	67.087785
65.870982		0.489893		0.491975		0.340985	0.343681
-0.742228	-0.737136	-9.039777	-9.098105	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.35 module=expand_regime_affine_v2							
35.714014	35.243550	3.105493	28.229386	27.931222	54.744674	54.627891	62.818736
61.978736		0.670051		0.667360		0.471917	0.468251
-3.384002	-3.154221	-10.528487	-10.163198	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.35 module=expand_regime_affine_v2_heterosk							
35.714014	35.243550	3.105493	28.229386	27.931222	54.744674	54.627891	62.818736
61.978736		0.670051		0.667360		0.471917	0.468251
-3.384002	-3.154221	-10.528487	-10.163198	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.35 module=none							
35.714014	35.243550	3.105493	28.229386	27.931222	54.744674	54.627891	62.818736
61.978736		0.670051		0.667360		0.471917	0.468251
-3.384002	-3.154221	-10.528487	-10.163198	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.2 module=expand_regime_affine_v2							
35.797551	35.299027	3.160438	28.308425	27.983921	54.756863	54.691820	62.779257
61.992715		0.671258		0.666211		0.472971	0.467180
-3.185972	-3.025876	-10.294181	-9.996371	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.2 module=expand_regime_affine_v2_heterosk							
35.797551	35.299027	3.160438	28.308425	27.983921	54.756863	54.691820	62.779257
61.992715		0.671258		0.666211		0.472971	0.467180
-3.185972	-3.025876	-10.294181	-9.996371	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.2 module=none							
35.797551	35.299027	3.160438	28.308425	27.983921	54.756863	54.691820	62.779257
61.992715		0.671258		0.666211		0.472971	0.467180
-3.185972	-3.025876	-10.294181	-9.996371	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.08 module=expand_affine_global							
35.830106	35.160254	3.764932	28.390072	27.954711	55.923613	54.658822	63.467006
61.441711		0.636597		0.655906		0.442063	0.457316
-1.121738	-0.832978	-9.708558	-9.477467	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=expand_affine_global							
35.837331	35.170050	3.750334	28.395851	27.965717	55.806913	54.538241	63.341363
61.309202		0.641371		0.660900		0.445482	0.460870
-1.110755	-0.814160	-9.695538	-9.453563	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=expand_affine_global							
35.845935	35.181573	3.735169	28.402195	27.977463	55.689208	54.416890	63.213369
61.173861		0.646213		0.665960		0.448938	0.464454
-1.099901	-0.795490	-9.683287	-9.430856	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.12 module=expand_affine_global							
35.944707	35.265046	3.799243	28.518138	28.079220	54.688348	53.671063	62.118894
60.332273		0.689171		0.698246		0.480557	0.488269
-0.938902	-0.522264	-9.415731	-9.004297	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.1 module=expand_affine_global							
35.945073	35.265177	3.796071	28.511672	28.073876	54.733554	53.702413	62.164851
60.365115		0.687583		0.697124		0.479314	0.487392
-0.946423	-0.535764	-9.432705	-9.028620	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.08 module=expand_affine_global							
35.945524	35.265396	3.793061	28.505251	28.068530	54.778277	53.733498	62.210403
60.397723		0.686012		0.696013		0.478085	0.486524
-0.953892	-0.549110	-9.449240	-9.052404	5			

Model Benchmark Table Group 2 (Metrics, rows=75) (cont.)

massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=expand_affine_global							
36.037145	35.331401	3.924604	28.682522	28.202018	54.072606	53.277961	61.476620
59.910030		0.714957		0.715351		0.499965	0.501239
-0.828459	-0.328683	-9.175893		-8.649393	5		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=expand_affine_global							
36.044287	35.336413	3.931124	28.684449	28.202858	54.107667	53.301186	61.511596
59.934501		0.714237		0.714869		0.499366	0.500844
-0.838611	-0.343040	-9.195946		-8.675014	5		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=expand_affine_global							
36.051360	35.341406	3.937454	28.686158	28.203545	54.142387	53.324267	61.546308
59.958853		0.713521		0.714389		0.498772	0.500451
-0.848686	-0.357240	-9.215560		-8.700114	5		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=expand_regime_affine_v2							
36.112412	35.640670	3.688009	28.516062	28.186286	60.830592	60.327175	68.948774
67.785287		0.429444		0.431078		0.298143	0.300608
-0.356179	-0.424346	-8.647822		-8.814291	5		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=expand_regime_affine_v2_heterosk							
36.112412	35.640670	3.688009	28.516062	28.186286	60.830592	60.327175	68.948774
67.785287		0.429444		0.431078		0.298143	0.300608
-0.356179	-0.424346	-8.647822		-8.814291	5		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=none							
36.112412	35.640670	3.688009	28.516062	28.186286	60.830592	60.327175	68.948774
67.785287		0.429444		0.431078		0.298143	0.300608
-0.356179	-0.424346	-8.647822		-8.814291	5		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=expand_regime_affine_v2							
36.144474	35.674262	3.689568	28.542595	28.213993	60.931760	60.429945	69.052721
67.892133		0.426246		0.427812		0.295850	0.298289
-0.334437	-0.406979	-8.626788		-8.799434	5		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=expand_regime_affine_v2_heterosk							
36.144474	35.674262	3.689568	28.542595	28.213993	60.931760	60.429945	69.052721
67.892133		0.426246		0.427812		0.295850	0.298289
-0.334437	-0.406979	-8.626788		-8.799434	5		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=none							
36.144474	35.674262	3.689568	28.542595	28.213993	60.931760	60.429945	69.052721
67.892133		0.426246		0.427812		0.295850	0.298289
-0.334437	-0.406979	-8.626788		-8.799434	5		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.08 module=expand_regime_affine_v2							
36.176588	35.708055	3.691122	28.569413	28.242135	61.031774	60.531785	69.154939
67.997124		0.423092		0.424590		0.293582	0.295989
-0.313569	-0.390508	-8.607013		-8.786119	5		
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.08 module=expand_regime_affine_v2_heterosk							
36.176588	35.708055	3.691122	28.569413	28.242135	61.031774	60.531785	69.154939
67.997124		0.423092		0.424590		0.293582	0.295989
-0.313569	-0.390508	-8.607013		-8.786119	5		
... (25 more rows)							

Model Benchmark Table Group 3 (Postprocessing, rows=75)

config_id	mean_base_rmse	mean_base_tail_rmse	mean_affine_s	mean_affine_eta	mean_affine_r_base	mean_affine_naive_r	s_cap_hit_rate	mean_tail_t	mean_tail_k	mean_tail_q	invalid_postprocess_rate	simplicity_rank
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=expand_regime_affine_v2												
35.397225		57.558260	1.314167	0.70	0.494875	2.068563	0.10					
NaN	NaN	NaN	1.0	1								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=expand_regime_affine_v2_heterosk												
35.397225		57.558260	1.314167	0.70	0.494875	2.068563	0.10					
NaN	NaN	NaN	1.0	2								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=none												
35.397225		57.558260	1.314167	0.70	0.494875	2.068563	0.10					
NaN	NaN	NaN	1.0	99								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=expand_regime_affine_v2												
35.410288		57.625227	1.318123	0.70	0.493311	2.074151	0.10					
NaN	NaN	NaN	1.0	1								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=expand_regime_affine_v2_heterosk												
35.410288		57.625227	1.318123	0.70	0.493311	2.074151	0.10					
NaN	NaN	NaN	1.0	2								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=none												
35.410288		57.625227	1.318123	0.70	0.493311	2.074151	0.10					
NaN	NaN	NaN	1.0	99								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=expand_regime_affine_v2												
35.423440		57.691894	1.322094	0.70	0.491747	2.079807	0.10					
NaN	NaN	NaN	1.0	1								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=expand_regime_affine_v2_heterosk												
35.423440		57.691894	1.322094	0.70	0.491747	2.079807	0.10					
NaN	NaN	NaN	1.0	2								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=none												
35.423440		57.691894	1.322094	0.70	0.491747	2.079807	0.10					
NaN	NaN	NaN	1.0	99								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=50.0 module=expand_regime_affine_v2												
35.450690		55.589930	1.193647	0.70	0.545620	1.938783	0.10					
NaN	NaN	NaN	1.0	1								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=50.0 module=expand_regime_affine_v2_heterosk												
35.450690		55.589930	1.193647	0.70	0.545620	1.938783	0.10					
NaN	NaN	NaN	1.0	2								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=50.0 module=none												
35.450690		55.589930	1.193647	0.70	0.545620	1.938783	0.10					
NaN	NaN	NaN	1.0	99								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=100.0 module=expand_regime_affine_v2												
35.451487		56.311931	1.261864	0.70	0.497009	2.182786	0.25					
NaN	NaN	NaN	1.0	1								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=100.0 module=expand_regime_affine_v2_heterosk												
35.451487		56.311931	1.261864	0.70	0.497009	2.182786	0.25					
NaN	NaN	NaN	1.0	2								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=100.0 module=none												
35.451487		56.311931	1.261864	0.70	0.497009	2.182786	0.25					
NaN	NaN	NaN	1.0	99								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=expand_regime_affine_v2												
35.506022		55.133725	1.149118	0.70	0.573994	1.827094	0.10					
NaN	NaN	NaN	1.0	1								
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=expand_regime_affine_v2_heterosk												
35.506022		55.133725	1.149118	0.70	0.573994	1.827094	0.10					
NaN	NaN	NaN	1.0	2								

Model Benchmark Table Group 3 (Postprocessing, rows=75) (cont.)

massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 ridge alpha=20.0 module=none							
35.506022		55.133725	1.149118	0.70	0.573994	1.827094	0.10
NaN	NaN	NaN	1.0	99			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.12 module=expand_regime_affine_v2							
35.635721		58.907612	1.387712	0.70	0.457971	2.220514	0.25
NaN	NaN	NaN	1.0	1			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.12 module=expand_regime_affine_v2_heterosk							
35.635721		58.907612	1.387712	0.70	0.457971	2.220514	0.25
NaN	NaN	NaN	1.0	2			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.12 module=none							
35.635721		58.907612	1.387712	0.70	0.457971	2.220514	0.25
NaN	NaN	NaN	1.0	99			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.1 module=expand_regime_affine_v2							
35.656818		58.992780	1.392218	0.70	0.455867	2.229891	0.25
NaN	NaN	NaN	1.0	1			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.1 module=expand_regime_affine_v2_heterosk							
35.656818		58.992780	1.392218	0.70	0.455867	2.229891	0.25
NaN	NaN	NaN	1.0	2			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.1 module=none							
35.656818		58.992780	1.392218	0.70	0.455867	2.229891	0.25
NaN	NaN	NaN	1.0	99			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.08 module=expand_regime_affine_v2							
35.677940		59.077159	1.396731	0.70	0.453776	2.239330	0.25
NaN	NaN	NaN	1.0	1			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.08 module=expand_regime_affine_v2_heterosk							
35.677940		59.077159	1.396731	0.70	0.453776	2.239330	0.25
NaN	NaN	NaN	1.0	2			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.08 module=none							
35.677940		59.077159	1.396731	0.70	0.453776	2.239330	0.25
NaN	NaN	NaN	1.0	99			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.35 module=expand_regime_affine_v2							
35.714014		54.744674	1.113936	0.68	0.586065	1.843122	0.10
NaN	NaN	NaN	1.0	1			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.35 module=expand_regime_affine_v2_heterosk							
35.714014		54.744674	1.113936	0.68	0.586065	1.843122	0.10
NaN	NaN	NaN	1.0	2			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.35 module=none							
35.714014		54.744674	1.113936	0.68	0.586065	1.843122	0.10
NaN	NaN	NaN	1.0	99			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.2 module=expand_regime_affine_v2							
35.797551		54.756863	1.108515	0.65	0.591134	1.820560	0.10
NaN	NaN	NaN	1.0	1			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.2 module=expand_regime_affine_v2_heterosk							
35.797551		54.756863	1.108515	0.65	0.591134	1.820560	0.10
NaN	NaN	NaN	1.0	2			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 huber epsilon=1.2 module=none							
35.797551		54.756863	1.108515	0.65	0.591134	1.820560	0.10
NaN	NaN	NaN	1.0	99			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.08 module=expand_affine_global							
36.176588		61.031774	1.500000	0.70	0.398595	2.534937	1.00
NaN	NaN	NaN	0.0	5			
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=expand_affine_global							
36.144474		60.931760	1.500000	0.70	0.401160	2.519432	1.00

Model Benchmark Table Group 3 (Postprocessing, rows=75) (cont.)

NaN	NaN	NaN	0.0	5				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=expand_affine_global								
36.112412		60.830592	1.500000	0.70	0.403758	2.503955	1.00	
NaN	NaN	NaN	0.0	5				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.12 module=expand_affine_global								
35.635721		58.907612	1.387712	0.70	0.457971	2.220514	0.25	
NaN	NaN	NaN	0.0	5				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.1 module=expand_affine_global								
35.656818		58.992780	1.392218	0.70	0.455867	2.229891	0.25	
NaN	NaN	NaN	0.0	5				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.0 l1_ratio=0.08 module=expand_affine_global								
35.677940		59.077159	1.396731	0.70	0.453776	2.239330	0.25	
NaN	NaN	NaN	0.0	5				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.12 module=expand_affine_global								
35.397225		57.558260	1.314167	0.70	0.494875	2.068563	0.10	
NaN	NaN	NaN	0.0	5				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.1 module=expand_affine_global								
35.410288		57.625227	1.318123	0.70	0.493311	2.074151	0.10	
NaN	NaN	NaN	0.0	5				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=0.7 l1_ratio=0.08 module=expand_affine_global								
35.423440		57.691894	1.322094	0.70	0.491747	2.079807	0.10	
NaN	NaN	NaN	0.0	5				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=expand_regime_affine_v2								
36.112412		60.830592	1.500000	0.70	0.403758	2.503955	1.00	
NaN	NaN	NaN	1.0	1				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=expand_regime_affine_v2_heterosk								
36.112412		60.830592	1.500000	0.70	0.403758	2.503955	1.00	
NaN	NaN	NaN	1.0	2				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.12 module=none								
36.112412		60.830592	1.500000	0.70	0.403758	2.503955	1.00	
NaN	NaN	NaN	1.0	99				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=expand_regime_affine_v2								
36.144474		60.931760	1.500000	0.70	0.401160	2.519432	1.00	
NaN	NaN	NaN	1.0	1				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=expand_regime_affine_v2_heterosk								
36.144474		60.931760	1.500000	0.70	0.401160	2.519432	1.00	
NaN	NaN	NaN	1.0	2				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.1 module=none								
36.144474		60.931760	1.500000	0.70	0.401160	2.519432	1.00	
NaN	NaN	NaN	1.0	99				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.08 module=expand_regime_affine_v2								
36.176588		61.031774	1.500000	0.70	0.398595	2.534937	1.00	
NaN	NaN	NaN	1.0	1				
massey_alpha=1.0 use_elo=1 elo_home_adv=60.0 elo_k=24.0 elo_decay_a=0.25 elo_decay_g=50.0 elasticnet alpha=1.5 l1_ratio=0.08 module=expand_regime_affine_v2_heterosk								
36.176588		61.031774	1.500000	0.70	0.398595	2.534937	1.00	
NaN	NaN	NaN	1.0	2				
... (25 more rows)								

Results Summary

Global vs regime scaling comparison

- Candidate postprocessors included: none, expand_affine_global, expand_regime_affine_v2, expand_regime_affine_v2_heterosk, expand_piecewise_tail_v2.
- Locked module: expand_affine_global

Tail and dispersion diagnostics (outer 00F for selected config)

- Tail RMSE improvement vs base: 4.2193
- Extreme Tail RMSE improvement vs base: 4.7934
- Dispersion ratio base: 0.4901
- Dispersion ratio final: 0.6819
- Dispersion moved toward 1.0: True
- Tail dispersion ratio final: 0.4806

Selected dispersion expansion parameters

- r_base=0.49057701866105907, naive_r=2.0384159101649693
- s_star=1.0533373677158486, chosen_s=1.4268911371154784, eta=0.7
- tail_q=None, tail_t=None, tail_k=None

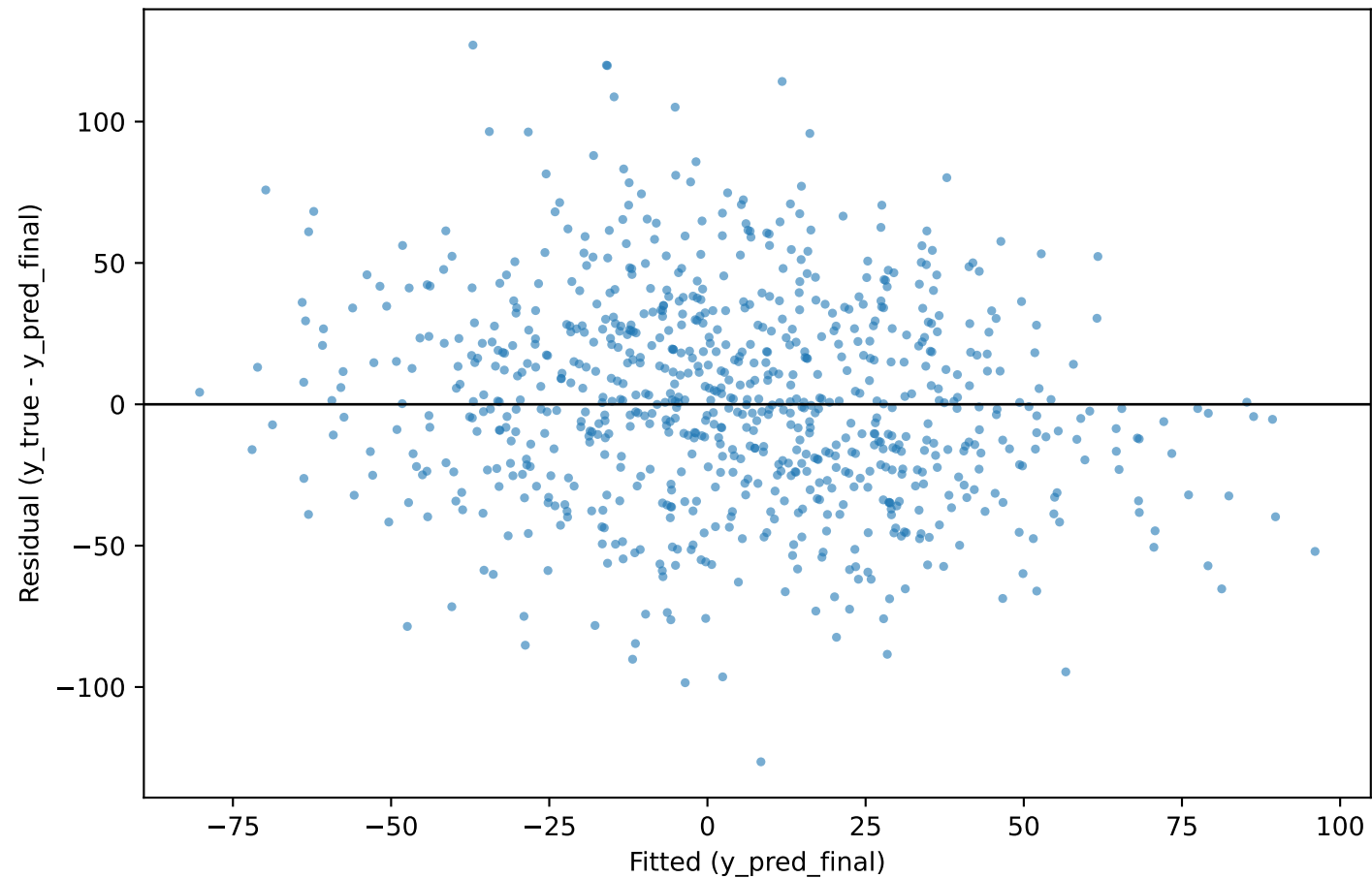
Derby prediction distribution summary

- n=75 (asserted)
- mean=-4.3735
- std=26.9047
- p05=-51.3123
- p50=-3.5257
- p95=40.8838

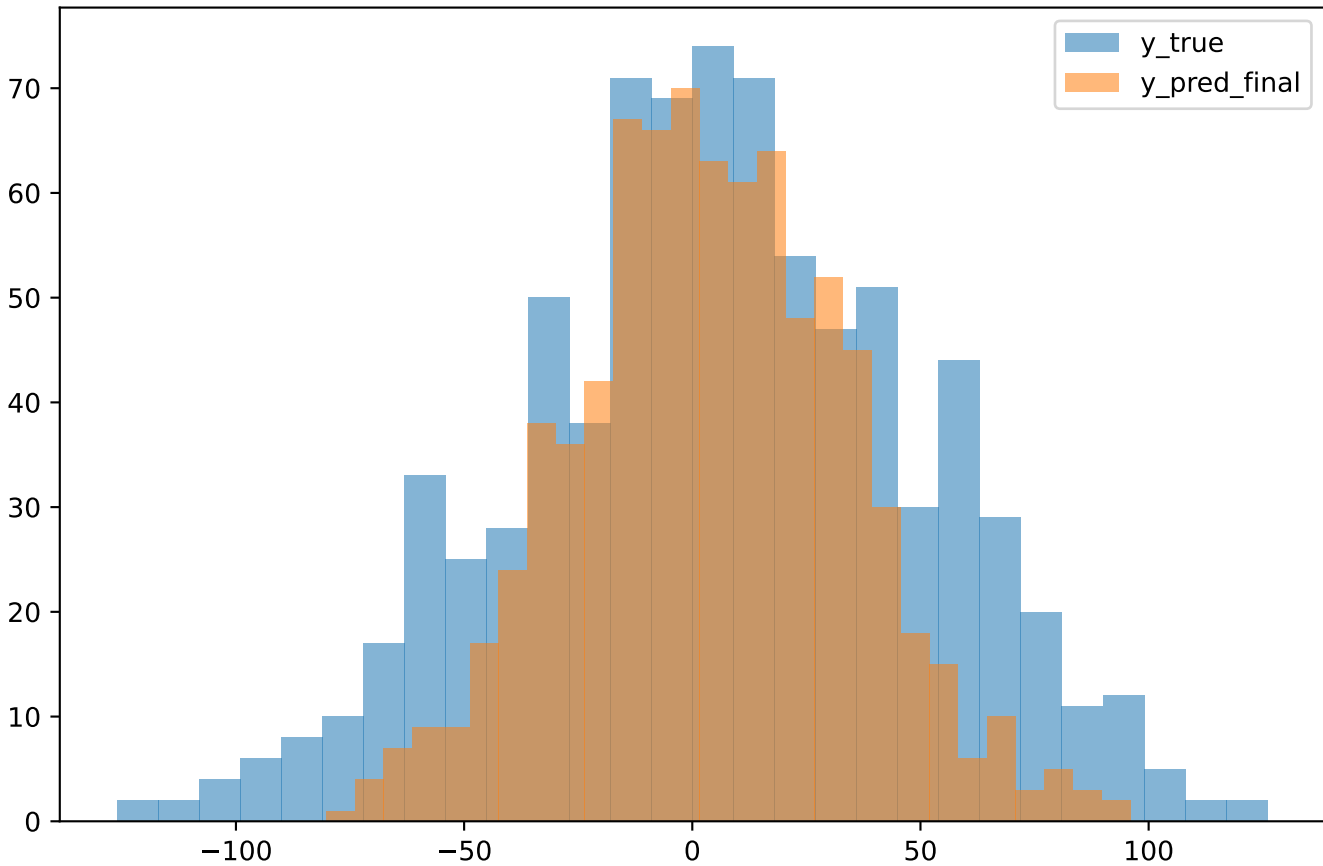
Selection lock details

- Rating-stage lambda_tail chosen: 0.1
- Rating-stage lambda_xtail chosen: 0.05
- Rating-stage lambda chosen: 0.1
- Rating-stage lambda_disp chosen: 0.05
- Rating-stage lambda_cap_hit chosen: 0.0
- Rating-stage lambda_tbias chosen: 0.0
- Rating-stage lambda_tdisp chosen: 0.05
- Model-stage lambda_tail chosen: 0.1
- Model-stage lambda_xtail chosen: 0.05
- Model-stage lambda chosen: 0.1
- Model-stage lambda_disp chosen: 0.05
- Model-stage lambda_cap_hit chosen: 0.0
- Model-stage lambda_tbias chosen: 0.0
- Model-stage lambda_tdisp chosen: 0.05
- Selection gate rejections count: 55
- Massey-only gate applied: False
- Massey-only gate reason:

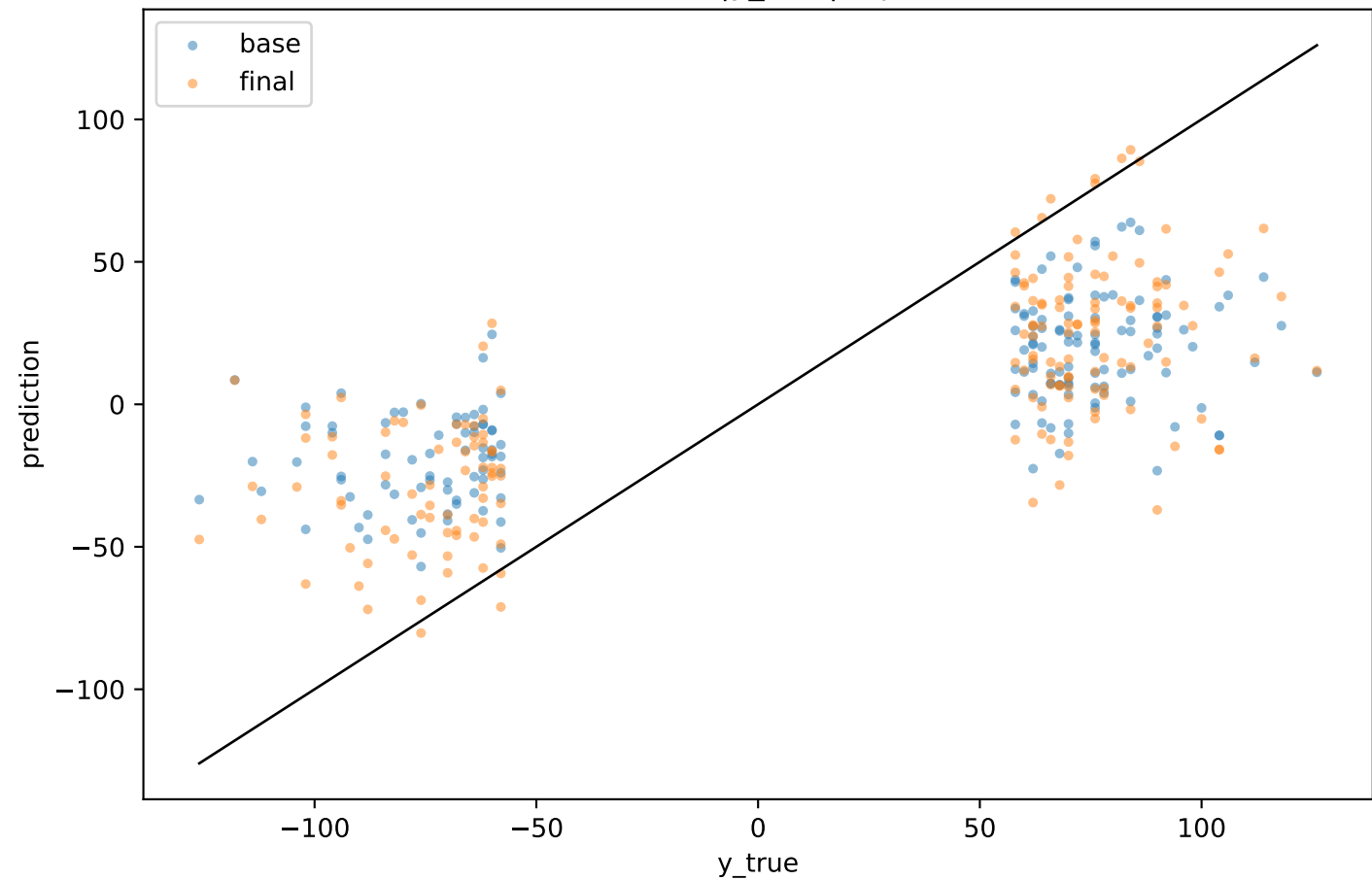
Residual vs Fitted (OOF Final)



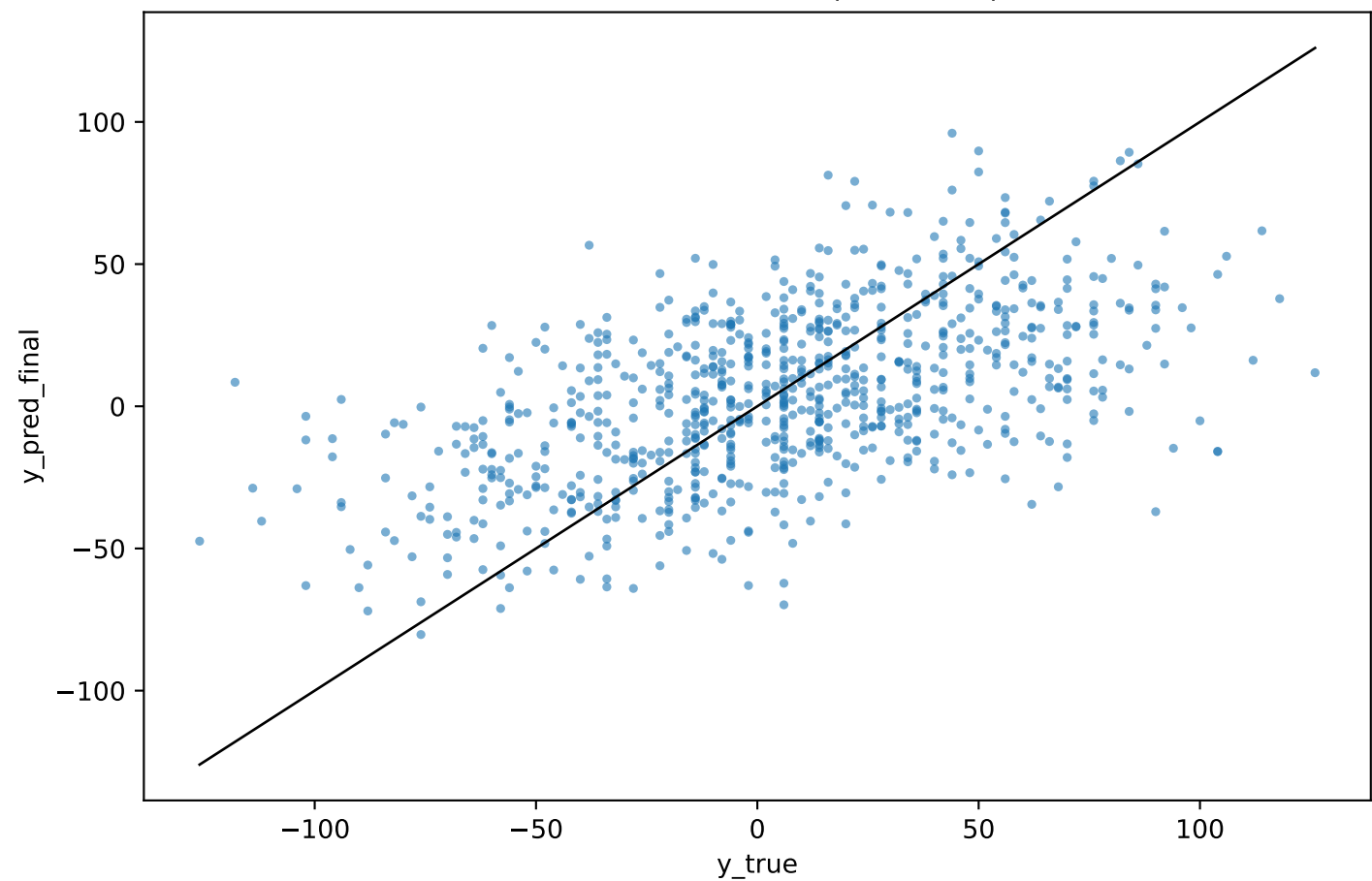
Histogram: OOF Actual vs Final Predictions



Tail Scatter ($|y_true|$ top 20%)



Prediction vs Actual (OOF Final)



Dispersion Ratio by Fold ($\text{std}(\text{pred})/\text{std}(y)$)

