# -------------------------- elastic\_net\_regression\_20240109-120535 ------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.093096 0.0

1 2023-03-06 07:35:00 0.214797 0.0

2 2023-03-06 07:40:00 0.356560 0.0

3 2023-03-06 07:45:00 0.511288 0.0

4 2023-03-06 07:50:00 0.675904 0.0

5 2023-03-06 07:55:00 0.849800 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.27347864651153064

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ----------------------------- elastic\_net\_regression\_5000\_iter ---------------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.091363 0.0

1 2023-03-06 07:35:00 0.212393 0.0

2 2023-03-06 07:40:00 0.354458 0.0

3 2023-03-06 07:45:00 0.509305 0.0

4 2023-03-06 07:50:00 0.673591 0.0

5 2023-03-06 07:55:00 0.847177 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.26723684986700325

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ---------------------------- elastic\_net\_regression\_optuna ------------------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.094309 0.0

1 2023-03-06 07:35:00 0.210753 0.0

2 2023-03-06 07:40:00 0.344553 0.0

3 2023-03-06 07:45:00 0.491132 0.0

4 2023-03-06 07:50:00 0.647896 0.0

5 2023-03-06 07:55:00 0.813142 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.2996875838828329

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------ lasso\_regression\_20240109-112113 ----------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.092615 0.0

1 2023-03-06 07:35:00 0.214133 0.0

2 2023-03-06 07:40:00 0.355726 0.0

3 2023-03-06 07:45:00 0.510287 0.0

4 2023-03-06 07:50:00 0.674751 0.0

5 2023-03-06 07:55:00 0.848478 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.2719505592016011

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------ lasso\_regression\_\_5000\_iter ------------------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.090410 0.0

1 2023-03-06 07:35:00 0.208780 0.0

2 2023-03-06 07:40:00 0.347106 0.0

3 2023-03-06 07:45:00 0.498029 0.0

4 2023-03-06 07:50:00 0.658901 0.0

5 2023-03-06 07:55:00 0.828544 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.27226357779877236

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------------ lasso\_regression\_optuna ------------------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.093980 0.0

1 2023-03-06 07:35:00 0.208584 0.0

2 2023-03-06 07:40:00 0.340021 0.0

3 2023-03-06 07:45:00 0.483976 0.0

4 2023-03-06 07:50:00 0.637912 0.0

5 2023-03-06 07:55:00 0.800014 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.30631410154723726

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ---------------------------- linear\_regression\_20240108-151008 -----------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.090968 0.0

1 2023-03-06 07:35:00 0.212366 0.0

2 2023-03-06 07:40:00 0.355196 0.0

3 2023-03-06 07:45:00 0.510967 0.0

4 2023-03-06 07:50:00 0.675722 0.0

5 2023-03-06 07:55:00 0.850009 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.26407332605819994

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ----------------------------------- poly\_2\_20240109-121445 ------------------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.069043 0.0

1 2023-03-06 07:35:00 0.219064 0.0

2 2023-03-06 07:40:00 0.465141 0.0

3 2023-03-06 07:45:00 0.815122 0.0

4 2023-03-06 07:50:00 1.267957 0.0

5 2023-03-06 07:55:00 1.822391 0.0

Metrics for this specific prediction:

Accuracy: 99.98%

Mean squared error: 0.2278414115667896

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ----------------------------------- poly\_3\_20240109-121503 ------------------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.062734 0.0

1 2023-03-06 07:35:00 0.183998 0.0

2 2023-03-06 07:40:00 0.335491 0.0

3 2023-03-06 07:45:00 0.493695 0.0

4 2023-03-06 07:50:00 0.652875 0.0

5 2023-03-06 07:55:00 0.809216 0.0

Metrics for this specific prediction:

Accuracy: 99.98%

Mean squared error: 0.18197912911609992

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ----------------------------------- poly\_4\_20240109-121752 ------------------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.068118 0.0

1 2023-03-06 07:35:00 0.185504 0.0

2 2023-03-06 07:40:00 0.305676 0.0

3 2023-03-06 07:45:00 0.406737 0.0

4 2023-03-06 07:50:00 0.493693 0.0

5 2023-03-06 07:55:00 0.585440 0.0

Metrics for this specific prediction:

Accuracy: 99.98%

Mean squared error: 0.15596836387426935

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ----------------------------- ridge\_regression\_20240109-111516 -----------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.091138 0.0

1 2023-03-06 07:35:00 0.212572 0.0

2 2023-03-06 07:40:00 0.355424 0.0

3 2023-03-06 07:45:00 0.511220 0.0

4 2023-03-06 07:50:00 0.676003 0.0

5 2023-03-06 07:55:00 0.850323 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.2646730226010708

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------------ ridge\_regression\_optuna ------------------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.091138 0.0

1 2023-03-06 07:35:00 0.212572 0.0

2 2023-03-06 07:40:00 0.355424 0.0

3 2023-03-06 07:45:00 0.511220 0.0

4 2023-03-06 07:50:00 0.676003 0.0

5 2023-03-06 07:55:00 0.850323 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.26467302120734437

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# -------------------------- elastic\_net\_regression\_20240111-124414 ------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.094606 0.0

1 2023-03-06 07:35:00 0.212250 0.0

2 2023-03-06 07:40:00 0.347594 0.0

3 2023-03-06 07:45:00 0.495836 0.0

4 2023-03-06 07:50:00 0.654347 0.0

5 2023-03-06 07:55:00 0.821530 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.2960987489653979

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------ lasso\_regression\_20240111-123722 ----------------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.095741 0.0

1 2023-03-06 07:35:00 0.217517 0.0

2 2023-03-06 07:40:00 0.358120 0.0

3 2023-03-06 07:45:00 0.512018 0.0

4 2023-03-06 07:50:00 0.676414 0.0

5 2023-03-06 07:55:00 0.849993 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.2854910841528019

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------------ ridge\_regression\_20240111-123300 ----------------------

Pre-predictions:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.090968 0.0

1 2023-03-06 07:35:00 0.212366 0.0

2 2023-03-06 07:40:00 0.355196 0.0

3 2023-03-06 07:45:00 0.510967 0.0

4 2023-03-06 07:50:00 0.675722 0.0

5 2023-03-06 07:55:00 0.850009 0.0

Metrics for this specific prediction:

Accuracy: 99.97%

Mean squared error: 0.2640734029279724

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving