# ------------------------- elastic\_net\_regression\_20231215-175317 -------------------------

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.089872 0.0

1 2023-03-06 07:35:00 0.200169 0.0

2 2023-03-06 07:40:00 0.330752 0.0

3 2023-03-06 07:45:00 0.471736 0.0

4 2023-03-06 07:50:00 0.621614 0.0

5 2023-03-06 07:55:00 0.778888 0.0

Accuracy: 99.69%

Mean squared error: 1.5156579128817875

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------- lasso\_regression\_20231215-170317 ---------------------------

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.085309 0.0

1 2023-03-06 07:35:00 0.193495 0.0

2 2023-03-06 07:40:00 0.322588 0.0

3 2023-03-06 07:45:00 0.462651 0.0

4 2023-03-06 07:50:00 0.611697 0.0

5 2023-03-06 07:55:00 0.767990 0.0

Accuracy: 99.69%

Mean squared error: 1.5154437695312106

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------ linear\_regression\_20231215-203347 ---------------------------

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.084675 0.0

1 2023-03-06 07:35:00 0.194692 0.0

2 2023-03-06 07:40:00 0.330011 0.0

3 2023-03-06 07:45:00 0.472864 0.0

4 2023-03-06 07:50:00 0.624186 0.0

5 2023-03-06 07:55:00 0.784110 0.0

Accuracy: 99.69%

Mean squared error: 1.5380421396515942

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# --------------------------- ridge\_regression\_20231215-165723 -------------------------------

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.084830 0.0

1 2023-03-06 07:35:00 0.194890 0.0

2 2023-03-06 07:40:00 0.330223 0.0

3 2023-03-06 07:45:00 0.473091 0.0

4 2023-03-06 07:50:00 0.624434 0.0

5 2023-03-06 07:55:00 0.784386 0.0

Accuracy: 99.69%

Mean squared error: 1.5376128905858037

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------------ poly\_2\_20231219-125755 -----------------------------------

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.070867 0.0

1 2023-03-06 07:35:00 0.228993 0.0

2 2023-03-06 07:40:00 0.487806 0.0

3 2023-03-06 07:45:00 0.855298 0.0

4 2023-03-06 07:50:00 1.327486 0.0

5 2023-03-06 07:55:00 1.898179 0.0

Accuracy: 99.69%

Mean squared error: 1.5510592096955136

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------------ poly\_3\_20231219-125813 -----------------------------------

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.044917 0.0

1 2023-03-06 07:35:00 0.129360 0.0

2 2023-03-06 07:40:00 0.237618 0.0

3 2023-03-06 07:45:00 0.357576 0.0

4 2023-03-06 07:50:00 0.474882 0.0

5 2023-03-06 07:55:00 0.583170 0.0

Accuracy: 98.93%

Mean squared error: 5.316086018050963

Variance (R²) score: 0.99

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------------ randomforest\_10 ------------------------------------

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

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

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

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

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

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

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

Accuracy: 99.2%

Mean squared error: 3.9801444308505576

Variance (R²) score: 0.99

Afbeelding met tekst, schermopname, Perceel, diagram

Automatisch gegenereerde beschrijving

# ------------------------------------ randomforest\_14 ------------------------------------

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

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

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

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

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

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

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

Accuracy: 99.12%

Mean squared error: 4.347789408164561

Variance (R²) score: 0.99

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------------ randomforest\_2-7 ------------------------------------

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.006818 0.0

1 2023-03-06 07:35:00 0.006818 0.0

2 2023-03-06 07:40:00 0.006818 0.0

3 2023-03-06 07:45:00 0.006818 0.0

4 2023-03-06 07:50:00 0.006818 0.0

5 2023-03-06 07:55:00 0.006818 0.0

Accuracy: 99.66%

Mean squared error: 1.7048575403018165

Variance (R²) score: 1.00

Afbeelding met tekst, Perceel, schermopname, lijn

Automatisch gegenereerde beschrijving

# ------------------------------------ randomforest\_47\_23\_GS ------------------------------------

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.000898 0.0

1 2023-03-06 07:35:00 0.032204 0.0

2 2023-03-06 07:40:00 0.440809 0.0

3 2023-03-06 07:45:00 0.992936 0.0

4 2023-03-06 07:50:00 1.863757 0.0

5 2023-03-06 07:55:00 2.706468 0.0

Accuracy: 99.32%

Mean squared error: 3.3553589651032487

Variance (R²) score: 0.99

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------------ randomforest\_5 ------------------------------------

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

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

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

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

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

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

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

Accuracy: 99.18%

Mean squared error: 4.057810503214443

Variance (R²) score: 0.99

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving

# ------------------------------------ tpot ------------------------------------

Result:

StackingEstimator(estimator=LinearSVR(C=20.0, dual=True, epsilon=0.01, loss="epsilon\_insensitive", tol=0.01)),

DecisionTreeRegressor(max\_depth=8, min\_samples\_leaf=16, min\_samples\_split=12)

pre\_pred\_df:

timestamp percentage\_current rainfall\_current

0 2023-03-06 07:30:00 0.006747 0.0

1 2023-03-06 07:35:00 0.227994 0.0

2 2023-03-06 07:40:00 0.515567 0.0

3 2023-03-06 07:45:00 0.875695 0.0

4 2023-03-06 07:50:00 1.250112 0.0

5 2023-03-06 07:55:00 1.598310 0.0

Accuracy: 99.75%

Mean squared error: 1.2579629975856303

Variance (R²) score: 1.00

Afbeelding met tekst, schermopname, Perceel, lijn

Automatisch gegenereerde beschrijving