



— BUREAU OF —
RECLAMATION



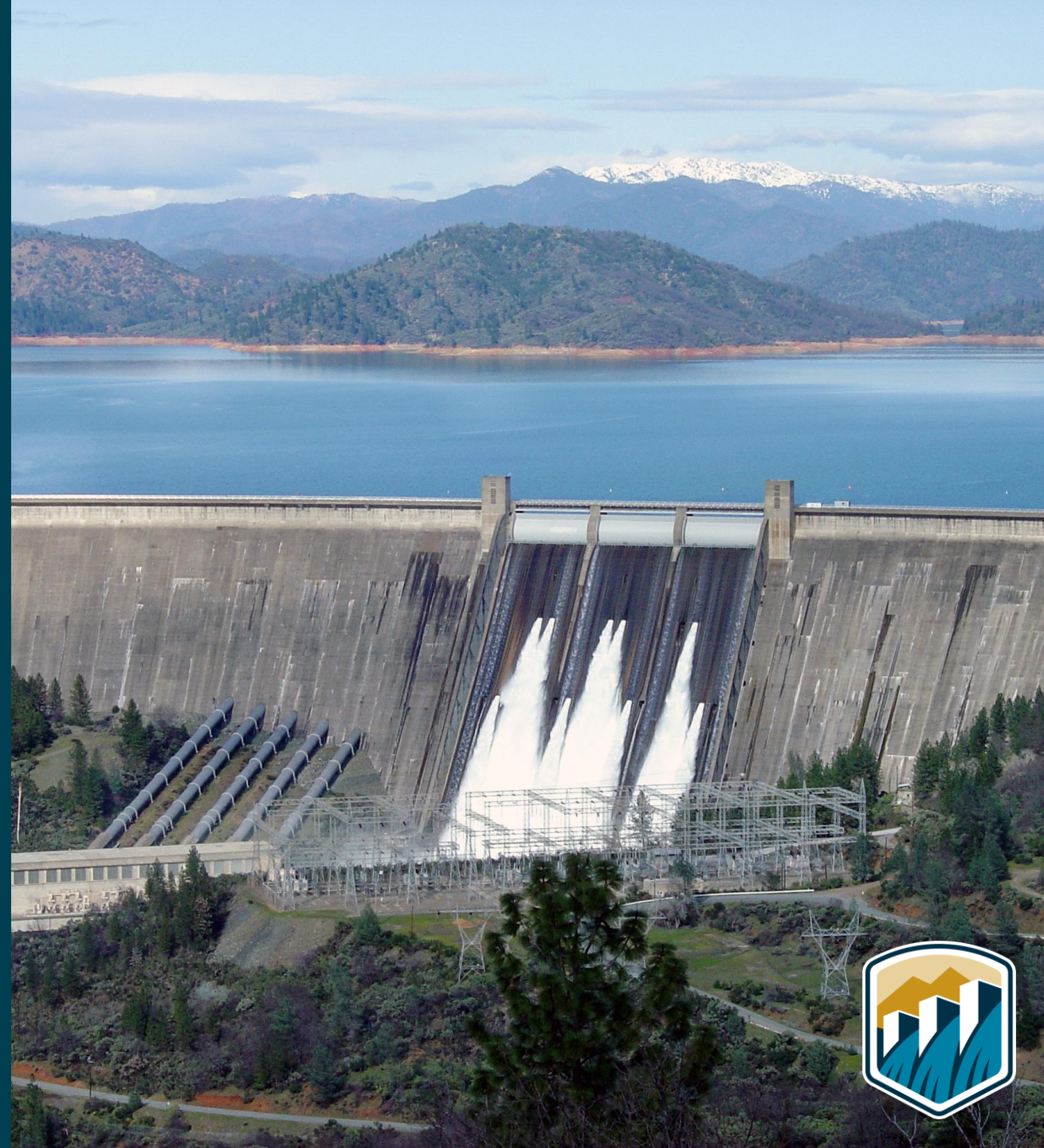
Veni, Vidi, Variability ($\sqrt{3}$):

From Seasonalis Maximus to Signalus Detectus in the WTMP



Dams In Study

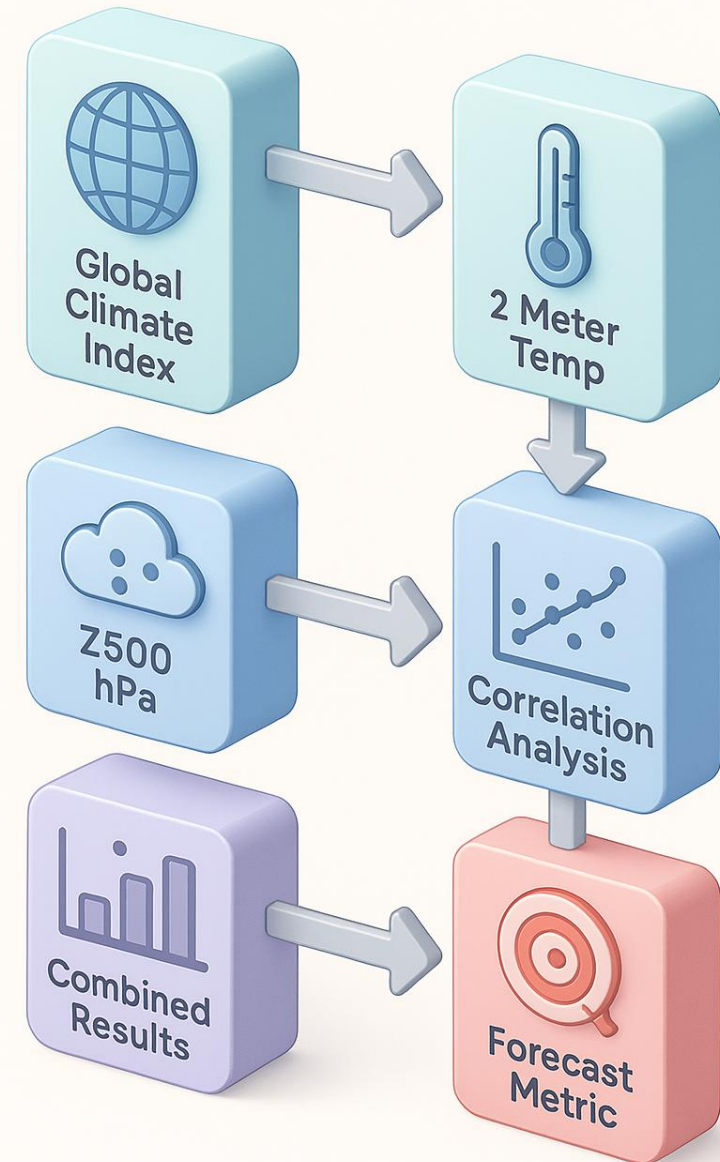
- Folsom
- Friant
- New Melones
- Shasta
- Trinity
- Whiskeytown



V³ Overview

- Correlation workflow

CORRELATIONS FLOW



V³ Overview

- Correlation results

Observed vs Predicted Anomalies (2m + 500mb)

Location: SH Month: 03

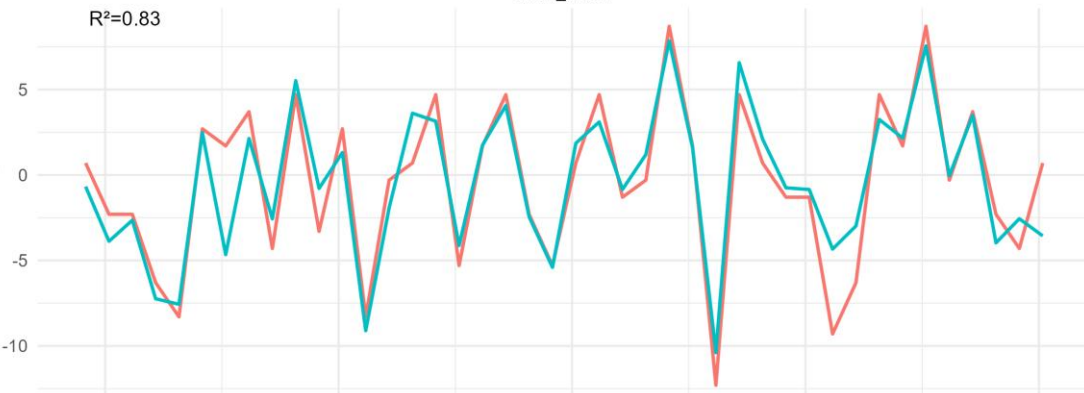
tavg_anom

$R^2=0.87$



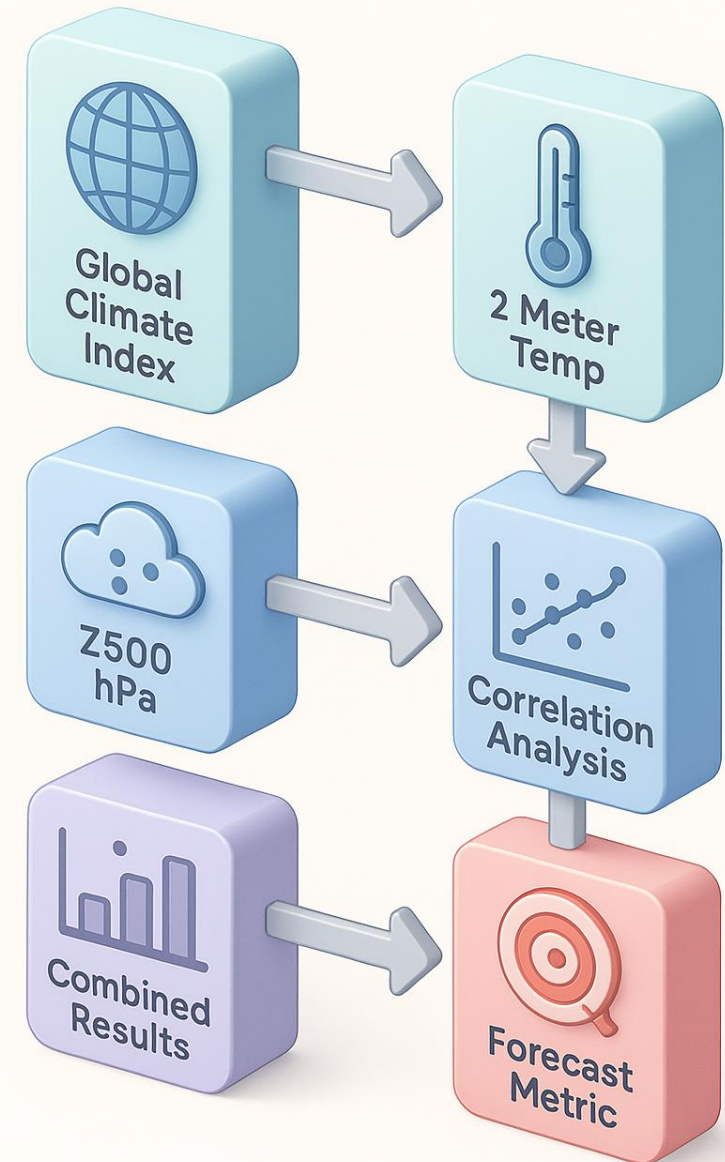
tmax_anom

$R^2=0.83$



— Observed
— Predicted

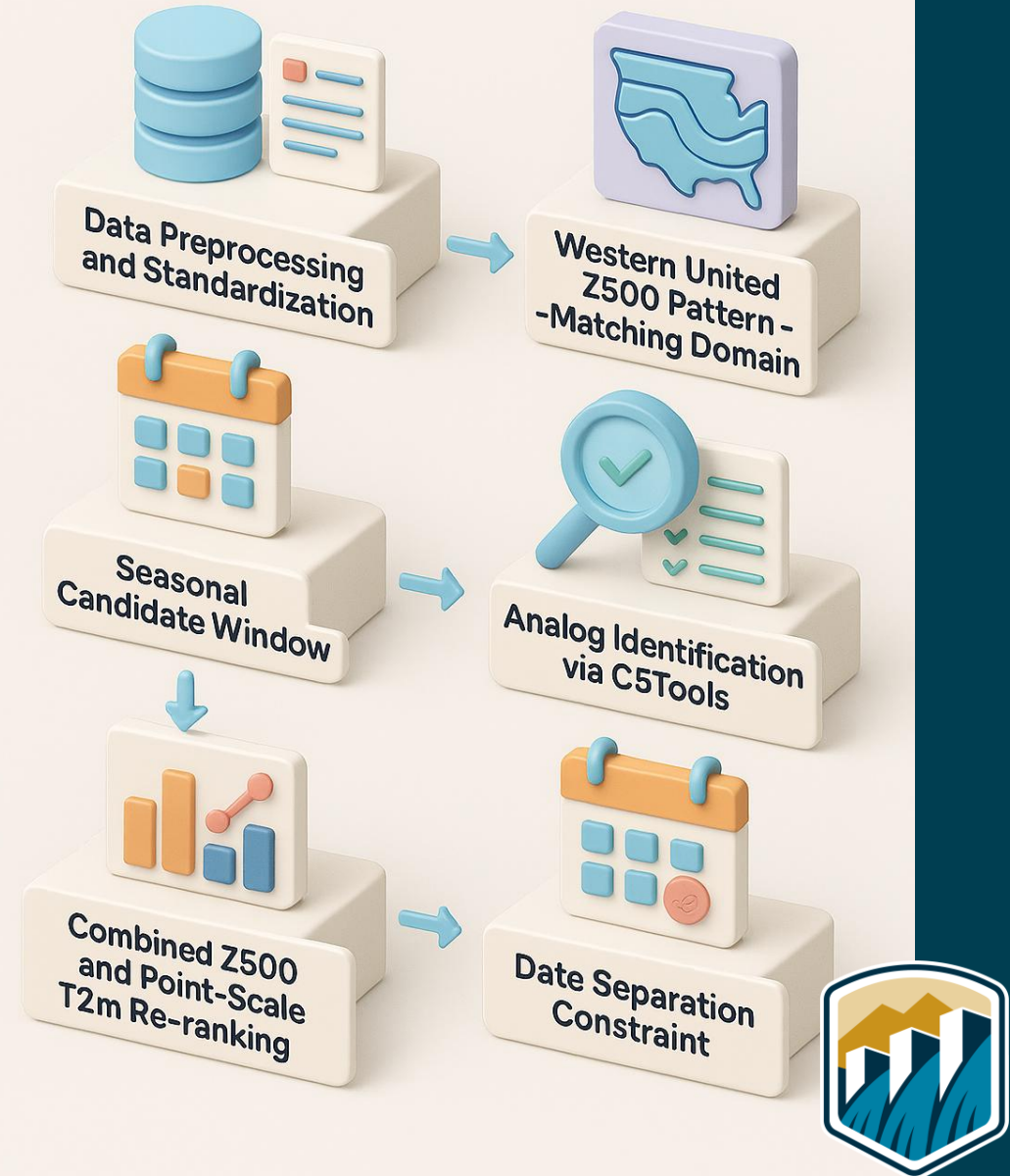
CORRELATIONS FLOW



V³ Overview

- Analog workflow

Analog Flow



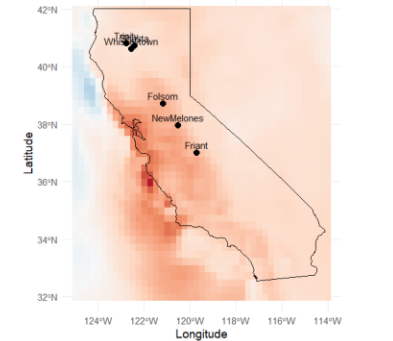
V³ Overview

- Analog results

Target + Top 5 Analogs for 2023-10-08 [±45 day window | Western US z500 | ±15 day sep | T2m wt=0.5]

TARGET: 2023-10-08

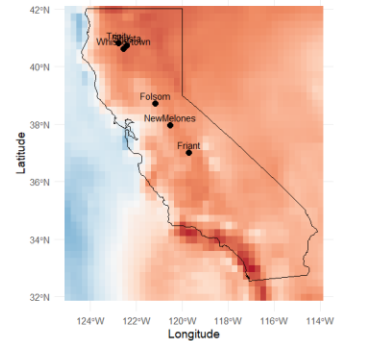
Window: ±45 days | Western US z500 | Sep: ±15 days | T2m wt: 0.5



T2m Anomaly (std)

Analog 1: 1987-10-02

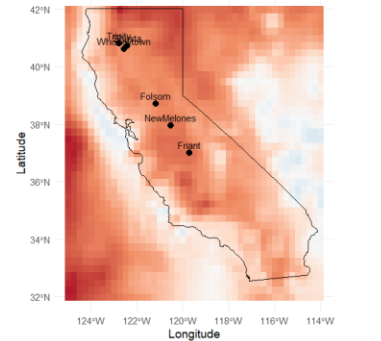
Target: 2023-10-08



T2m Anomaly (std)

Analog 2: 1967-09-08

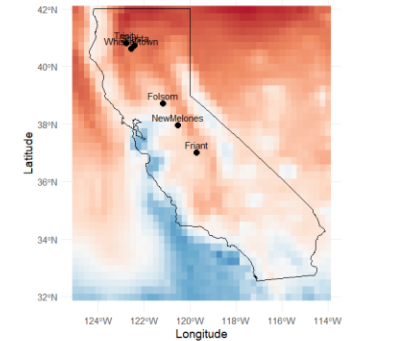
Target: 2023-10-08



T2m Anomaly (std)

Analog 3: 1962-09-26

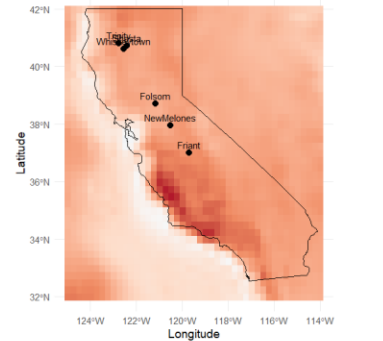
Target: 2023-10-08



T2m Anomaly (std)

Analog 4: 1940-08-30

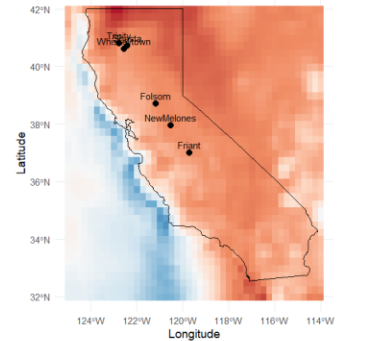
Target: 2023-10-08



T2m Anomaly (std)

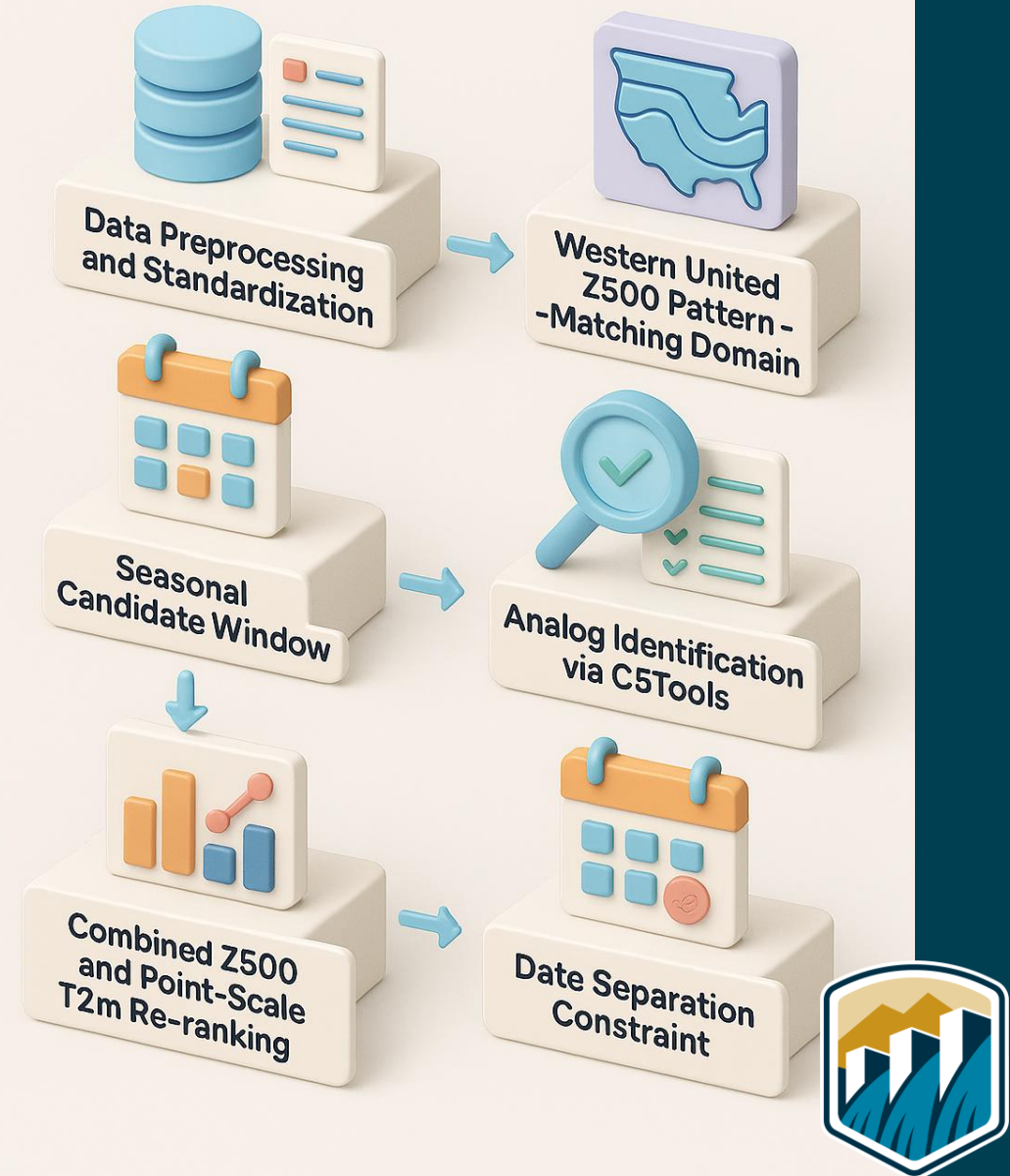
Analog 5: 1996-09-11

Target: 2023-10-08



T2m Anomaly (std)

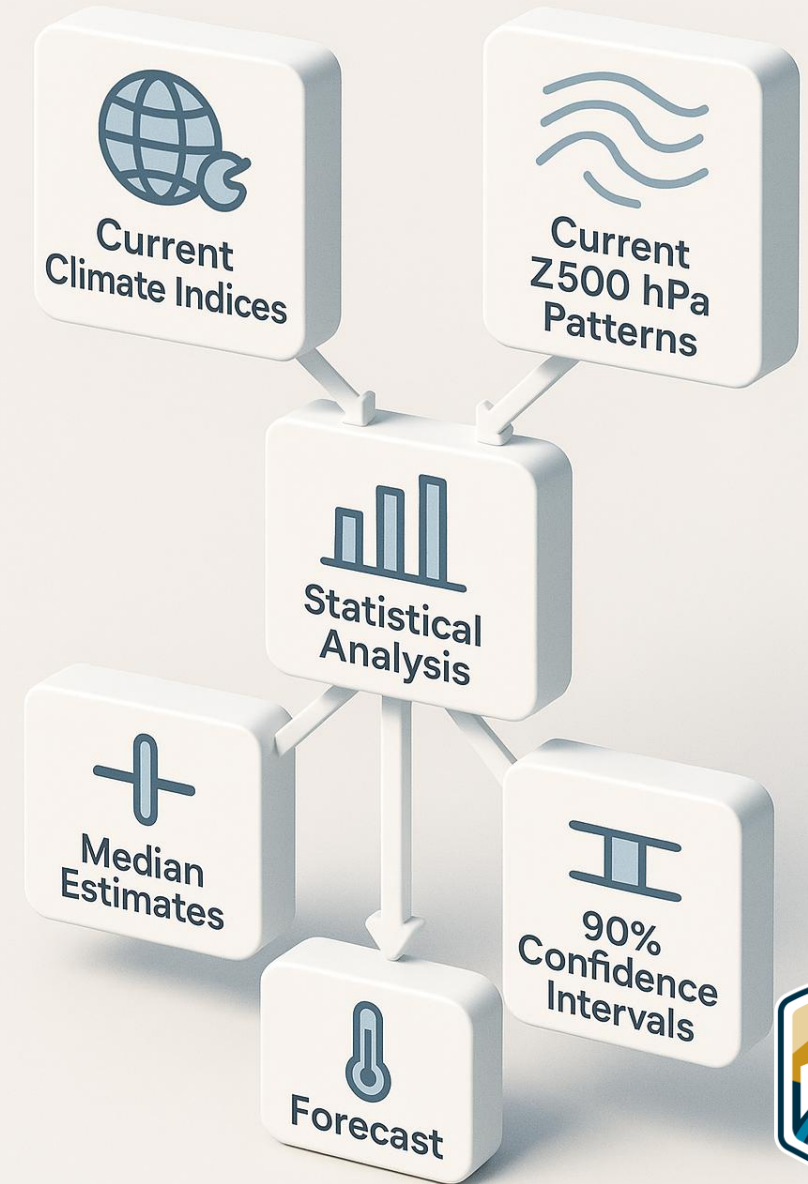
Analog Flow



V³ Overview

- Forecast workflow

Forecast 2m Temp

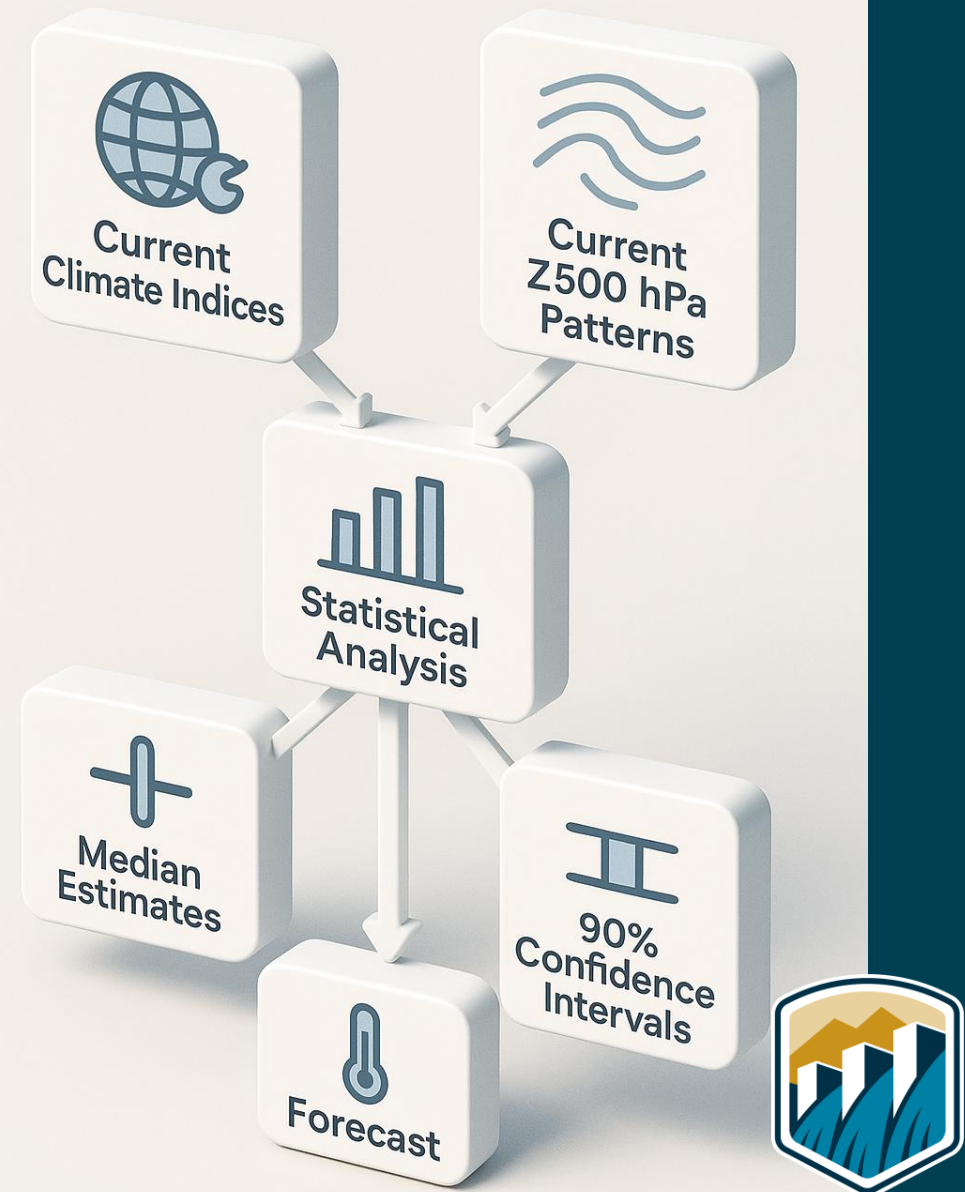


V³ Overview

- Forecast...working



Forecast 2m Temp



Questions/comments?

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