Weather Trends Overview
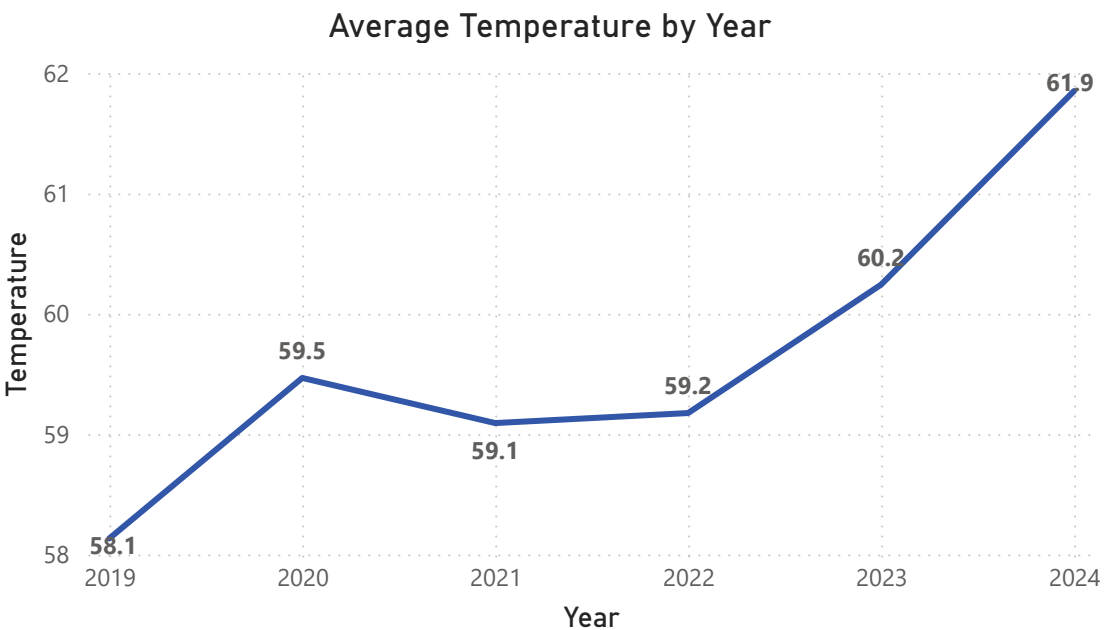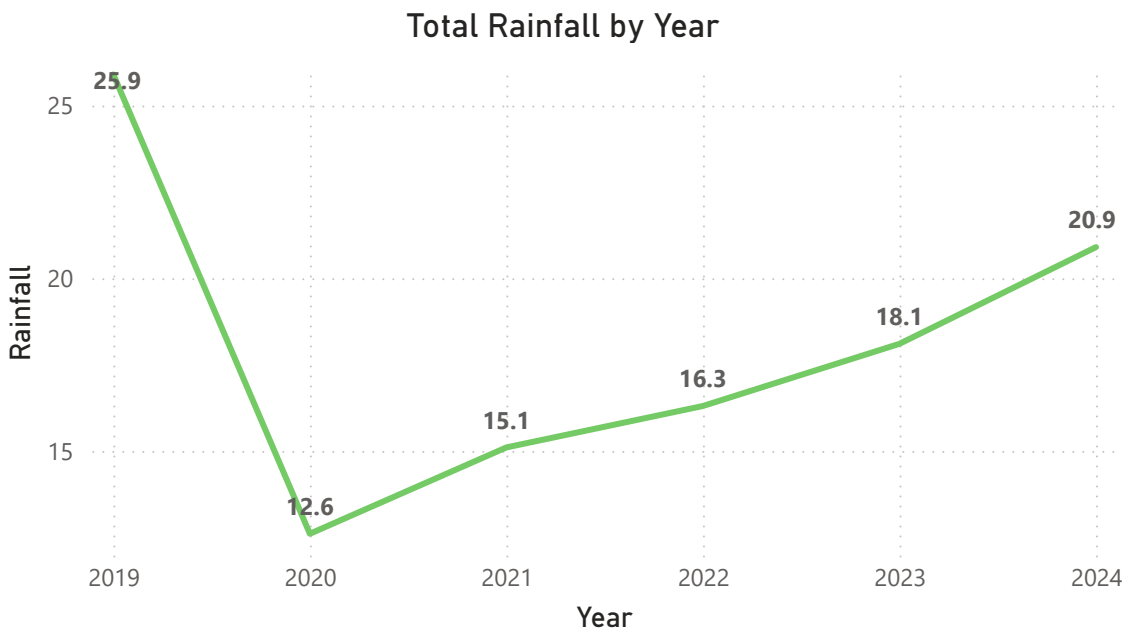
A high-level summary of Amarillo's temperature and rainfall trends from 2019-2024

Average Temperature by Year

Total Rainfall by Year

Hottest Year (August 2024)
Highest Average Temperature Month

Coldest Year (February 2021)
Lowest Average Temperature Month

Rainiest Year (2023)
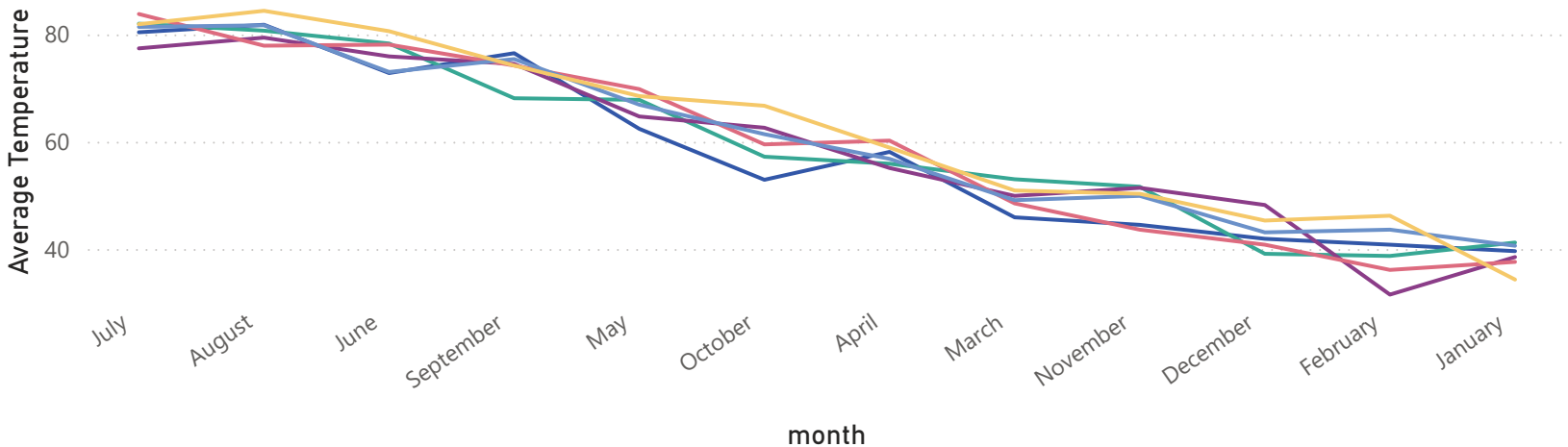Year with the Highest Rainfall

Year

All

84.40

31.50

7.40

Temperature Analysis

A deeper look into yearly and monthly temperature trends, highlighting the hottest and coldest periods.
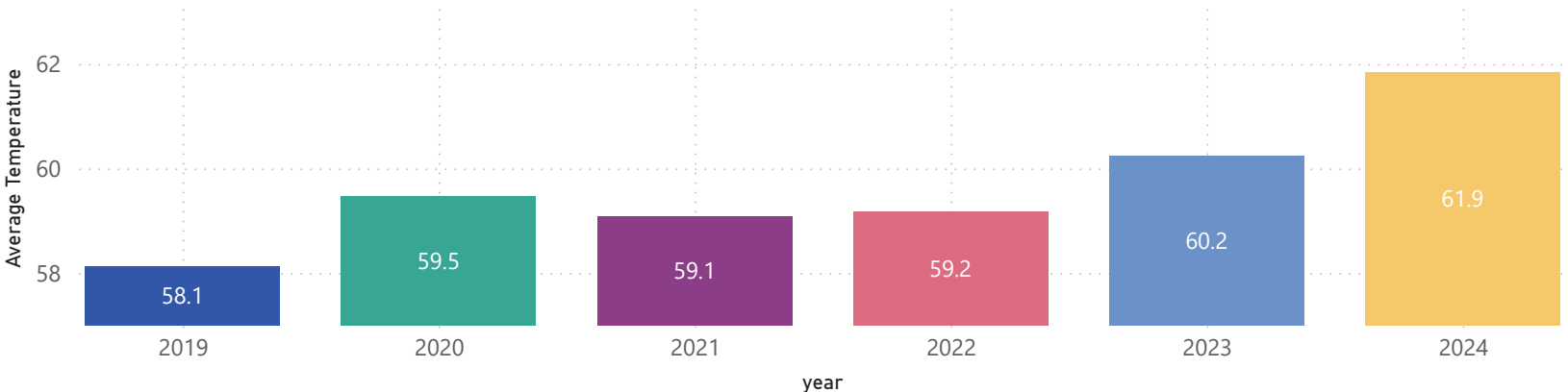
Average Temperature by Month

Year ● 2019 ● 2020 ● 2021 ● 2022 ● 2023 ● 2024

Average temperature has been increasing since 2019, with 2024 being the hottest year.

Hottest and Coldest Years

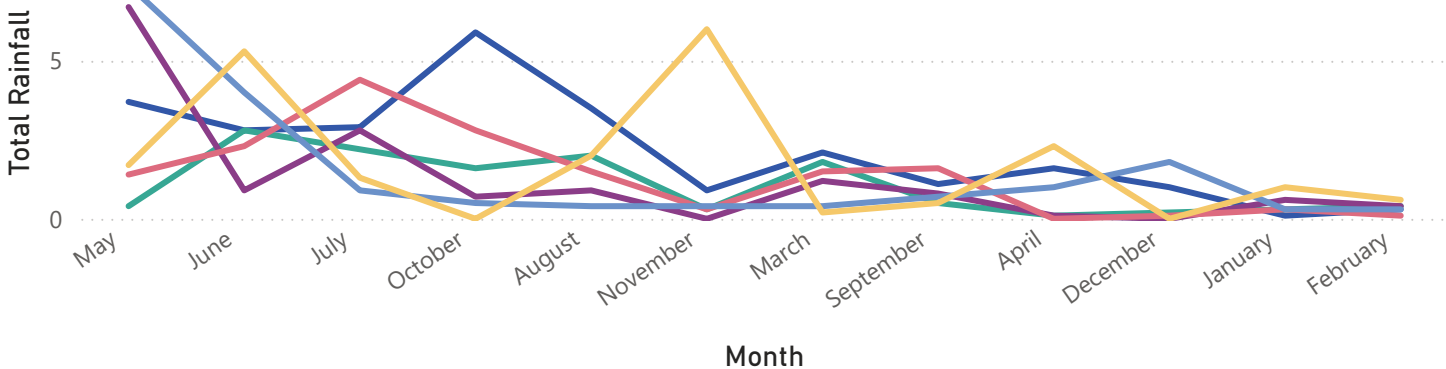**Year** ● 2019 ● 2020 ● 2021 ● 2022 ● 2023 ● 2024

Year		
All		∨

Data Breakdown

year	month	Average Temperature
2019	April	58.10
2019	August	81.80
2019	December	41.90
2019	February	40.80
2019	January	39.60
2019	July	80.40
2019	June	72.80
2019	March	45.90
2019	May	62.40
2019	November	44.50
2019	October	52.90
2019	September	76.50
2020	April	55.90
2020	August	80.70
2020	December	39.10
2020	February	38.70
2020	January	41.20
2020	July	82.00
2020	June	78.30
2020	March	53.00
2020	May	67.80
2020	November	51.60

Rainfall Analysis

Analyzing annual and monthly precipitation trends, including the wettest and driest years.

Total Rainfall by Month

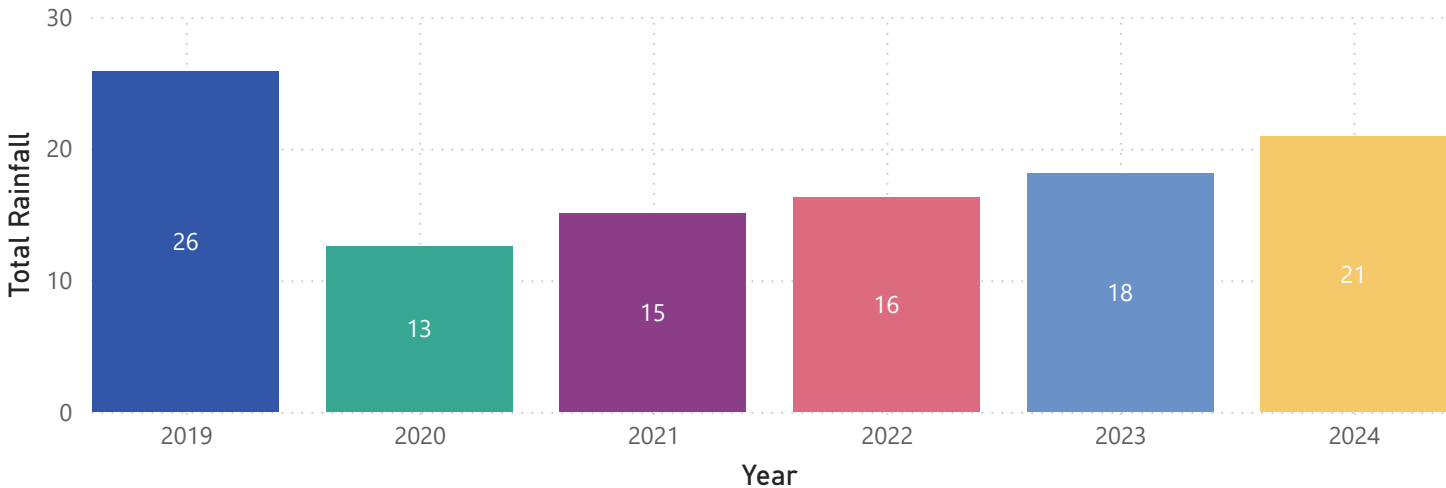Year ● 2019 ● 2020 ● 2021 ● 2022 ● 2023 ● 2024

Rainfall peaked in 2019, saw a sharp drop in 2020, and has been gradually increasing since.

Highest and Lowest Rainfall Years (in.)

Year ● 2019 ● 2020 ● 2021 ● 2022 ● 2023 ● 2024

Year

Year		
All		

Data Breakdown

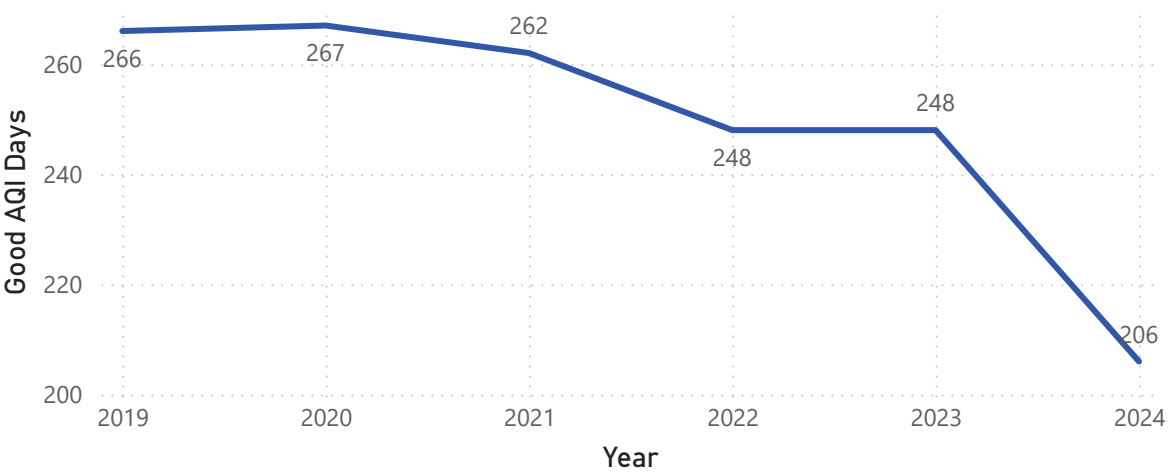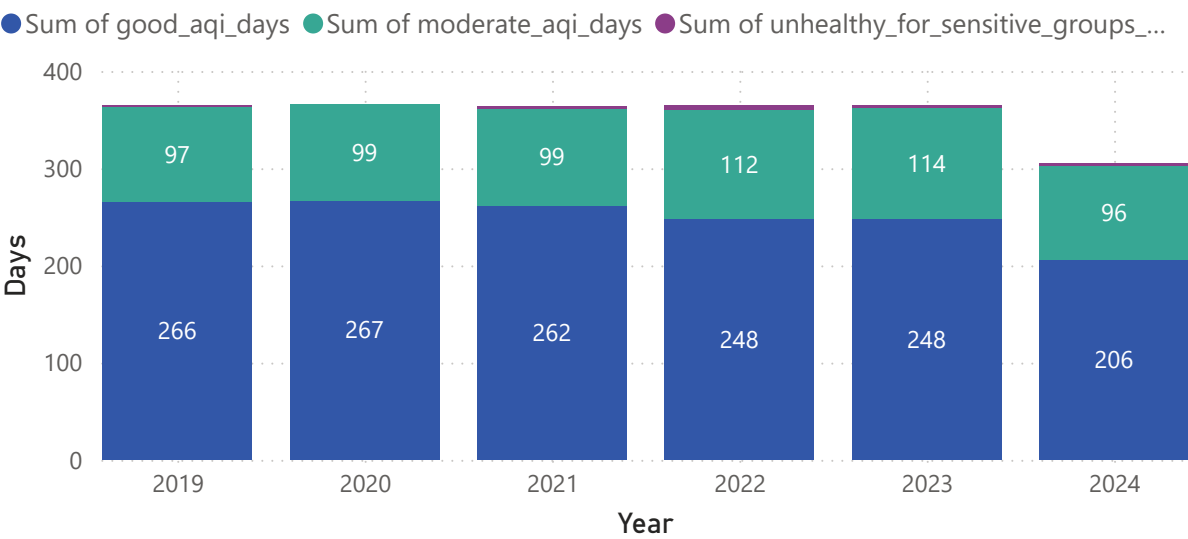| Year	Month	Total Rainfall
2024	April	2.30
2024	August	2.00
2024	December	0.00
2024	February	0.60
2024	January	1.00
2024	July	1.30
2024	June	5.30
2024	March	0.20
2024	May	1.70
2024	November	6.00
2024	October	0.00
2024	September	0.50
2023	April	1.00
2023	August	0.40
2023	December	1.80
2023	February	0.30
2023	January	0.30
2023	July	0.90
2023	June	4.00
2023	March	0.40
2023	May	7.40

Air Quality and Climate Impact

Examining air quality trends, the number of good AQI days, and how temperature and rainfall correlate with AQI levels.

Good AQI Days by Year

AQI has remained stable, but the number of 'Good AQI' days has slightly

AQI Data Breakdown

Year	Total Days	Good AQI Days	Unhealthy for Sensitive Groups Days
2019	365	266	2
2020	366	267	0
2021	364	262	3
2022	365	248	5
2023	365	248	3
2024	305	206	3

Air Quality Breakdown by Year

● Sum of good_aqi_days ● Sum of moderate_aqi_days ● Sum of unhealthy_for_sensitive_groups_...

Relationship Between Temperature, Rainfall, and AQI

Year ●2019 ●2020 ●2021 ●2022 ●2023 ●2024