

Data: Predicted Temperature and Precipitation Changes in New Mexico Counties

These data were acquired from the USDA Southwest Regional Climate Hub’s “Precipitation By County” and “Temperature by County” maps. The change in the temperature and precipitation values were calculated by subtracting the historic (1971-2000) data values from the predicted values for 2040-2069. Historic data were derived from PRISM data generalized to the county level. The predicted future values are based on the mean of 20 Coupled Model Intercomparison Project general circulation models.

Table 1: New Mexico Predicted Temperature Changes By County

Temperature Category	Bernalillo County (includes Albuquerque)	Doña Ana County (includes Las Cruces)	Otero County (includes Alamogordo)	Union County (includes Clayton)
Annual Total	3.5 °C warmer	3.3 °C warmer	3.3 °C warmer	3.3 °C warmer
Winter Total	3.3 °C warmer	3.1 °C warmer	3.1 °C warmer	2.9 °C warmer
Spring Total	3.6 °C warmer	3.4 °C warmer	3.4 °C warmer	3.3 °C warmer
Summer Total	3.5 °C warmer	3.2 °C warmer	3.2 °C warmer	3.5 °C warmer
Fall Total	3.5 °C warmer	3.4 °C warmer	3.4 °C warmer	3.5 °C warmer

Table 2: New Mexico Predicted Precipitation Changes By County

Precipitation Category	Bernalillo County (includes Albuquerque)	Doña Ana County (includes Las Cruces)	Otero County (includes Alamogordo)	Union County (includes Clayton)
Annual Total	0.2 mm wetter	3.3 mm wetter	1.0 mm drier	11.6 mm drier
Winter Total	1.2 mm wetter	3.8 mm drier	3.9 mm drier	3.4 mm wetter
Spring Total	4.7 mm drier	2.2 mm drier	2.7 mm drier	0.7 mm drier
Summer Total	1.1 mm wetter	6.5 mm wetter	2.6 mm wetter	14.9 mm drier
Fall Total	2.6 mm wetter	2.8 mm wetter	3.0 mm wetter	0.5 mm wetter

Climate Data Jam Presentation Summary

Each group will have a **maximum of 3 minutes** to present their Data Jam project to the rest of the class. During these presentations, you will “show” your project. This will look different depending on your project. For example, you may act out your skit, read your poem, or show and discuss your physical project. While these presentations will vary depending on your project, the components listed below should be included in all presentations. Use this page to write answers that will help as you plan and prepare your presentation.

1. Introduce all of the students who worked on the project.
2. Give the title of your project. Make sure it is descriptive.
3. Explain the data trend you are trying to get across in your project.
4. Showcase your project. For example, read your poem, act out your play, or give a tour of your physical model. Make sure to explain your legend (how the data is represented). Work with your teammates to decide how to best show your project to the audience. Practice!