

Resources for Data Storytelling

CODAP (codap.concord.org) is an entry-level, visually rich drag-and-drop data analysis tool. CODAP includes a **Story Builder Plugin** (bit.ly/codap-sb) that allows students to create different “moments,” or pages of a story. This allows story writers to step their audience through their data analysis decisions and to add text, images, webpages, and other resources alongside their data tables and visualizations.

DataBytes (bit.ly/dbytes) are quick 30-min or less, bilingual (English/Spanish) activities that invite students to connect data to their lived experiences and the larger world. These activities include teacher prompts and data visualizations about everyday scientific issues from common news sources. We also feature a “DIY” toolkit to create your own DataBytes with visualizations from your own news sources or curriculum.

Data Launchpads (bit.ly/codap-launchpads) are highly interactive documents designed for teachers and students to engage with large datasets. They offer an accessible, scaffolded introduction to larger datasets within the CODAP tool and can be used as a foundation for building activities.

Full Curriculum Units (bit.ly/wds-curric) guide students to explore data-rich scientific topics in depth. Our curriculum sets itself apart in three ways: it is (1) grounded in students’ everyday experiences and local contexts; (2) students highlight their own perspectives and experiences through merging datasets, adding new variables, and grouping and filtering data to center questions that affect the people and places they care about most; and (3) students not only analyze data, but also learn to tell data stories that clearly describe their rationale, findings, and actions they can take to address key issues in society.

Learn more about Data Storytelling

- Wilkerson, M., Finzer, W., Erickson, T., & Hernandez, D. (2021). [Reflective data storytelling for youth: The CODAP Story Builder](#). In *Proceedings of the 20th ACM SIGCHI Interaction Design and Children Conference (IDC '21)* (pp. 503-507). Athens, Greece, 24-30 June. doi: 10.1145/3459990.3465177
- Reigh, E., Escudé, M., Bakal, M., Rivero, E., Wei, X., Roberto, C., Hernandez, D., Yada, A., Wilkerson, M. H., & Gutierrez, K. G. (2022). [Mapping racepace: Data stories as a tool for environmental and spatial justice](#). In K. Lanouette & K. Headrick Taylor (Eds.), *Bank Street Occasional Paper Series*, (48), 79-95. doi: 10.58295/2375-3668.1452
- Wilkerson, M. H., Stokes, D., Lee, H. S., Reigh, E. V., Escudé, M. E., Rivero, E., & Gutiérrez, K. (2022). DataBytes: A Framework for Exploring Self, Community, Histories, and Futures Through Data. In Miller, K., Yoon, S. (Chairs) & Rubin, A. (Discussant), *Data Literacy in Context: Culturally Oriented and Place-Based Learning through Data*. Symposium at AERA 2022, San Diego, CA.

