



CHUNKING

What is chunking?

- Breaking information into smaller pieces or grouping individual pieces together
- <https://youtu.be/hydCdGLAh00>

More examples of chunking

- Grocery Lists
 - Unchunked: milk, eggs, flour, pasta, cheese, crackers, chips, bread

- Chunked:

Dairy	Carbs	Snacks
Milk	Flour	Crackers
Eggs	Bread	Chips
Cheese	Pasta	

- Phone Numbers
 - Unchunked: 4694064289
 - Chunked: 469-406-4289

More examples of chunking

- Baking & Cooking
 - Mac n Cheese: Make cheese sauce, boil pasta, mix
 - Many muffin, cookie, and bread recipes have you mix dry ingredients and wet ingredients separately, then add them together.
- Directions to Discovery Park
 - Unchunked: Head west on W Mulberry St, after 0.1 miles turn right onto Avenue C, after 0.1 miles turn left onto W Oak St, after 0.6 miles turn right onto Bonnie Brae St..... And 7 more steps
 - Chunked: Get to University and head west. Turn right at Torchy's. Turn right onto 77. Discovery Park will be on the left.

Chunking in Math

- Point-slope formula Unchunked: $y - y_1 = m(x - x_1)$
 - Chunked: there's $y, m, and x$
 - $y - y_1$, same with x's
- Levels of Measurement Unchunked: Nominal, Ordinal, Interval, Ratio
 - Chunked:

Qualitative	Quantitative
Nominal	Interval
Ordinal	Ratio

Chunking in Math

- Statistical Study Designs

Observational	Experiment
Cohort	Randomized
Cross-sectional	Matched pairs
Case control	

- Popular Data Displays

Qualitative	Quantitative
Frequency Distribution	Table
Bar Graph	Histogram
Pie Chart	Dot Plot

Practice Chunking

- Take 2 minutes to memorize the number **614338760438**
- One half of the class will use chunking to learn the number, the other half will not.
- After 2 minutes, each student will come up to the front and write the number for the instructor to see.
- Compare how many students from each group got the correct number, and whether chunking was helpful.