



PART-3: Data transformation



1. Log-transform



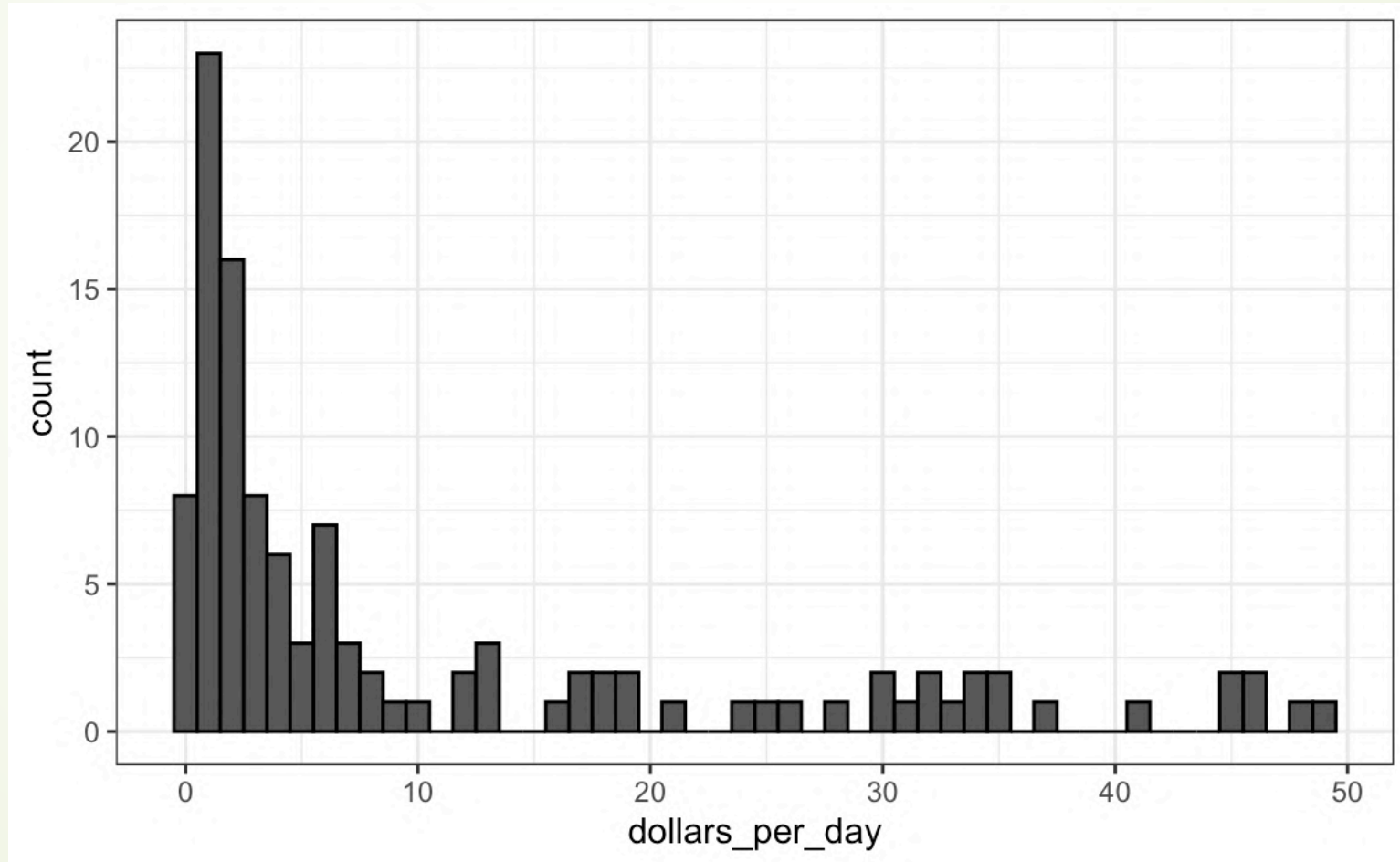


1. Log-transform

- Example: Histogram of US per-day income in 1970

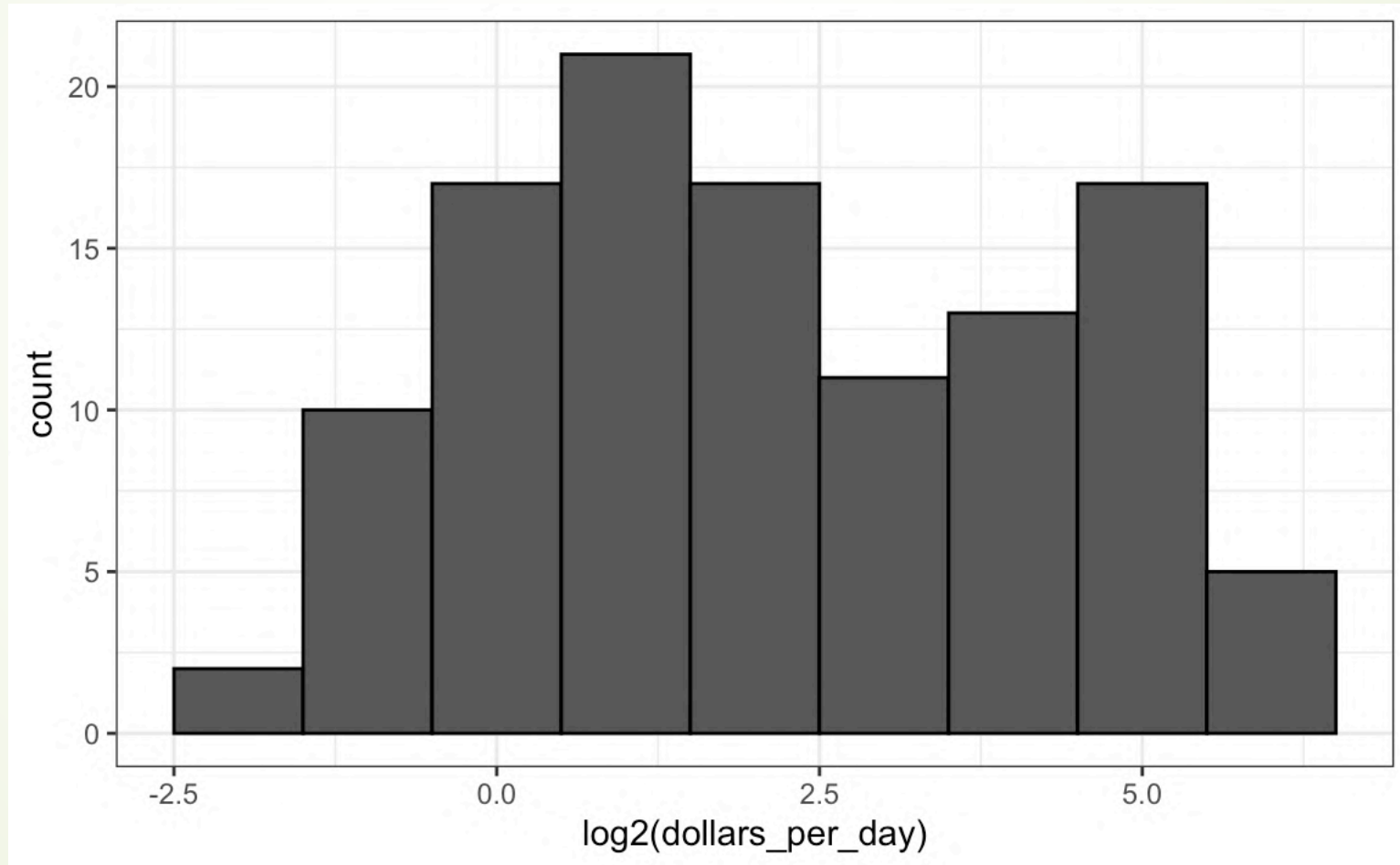
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- Example: Histogram of US per-day income in 1970



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Log-transform



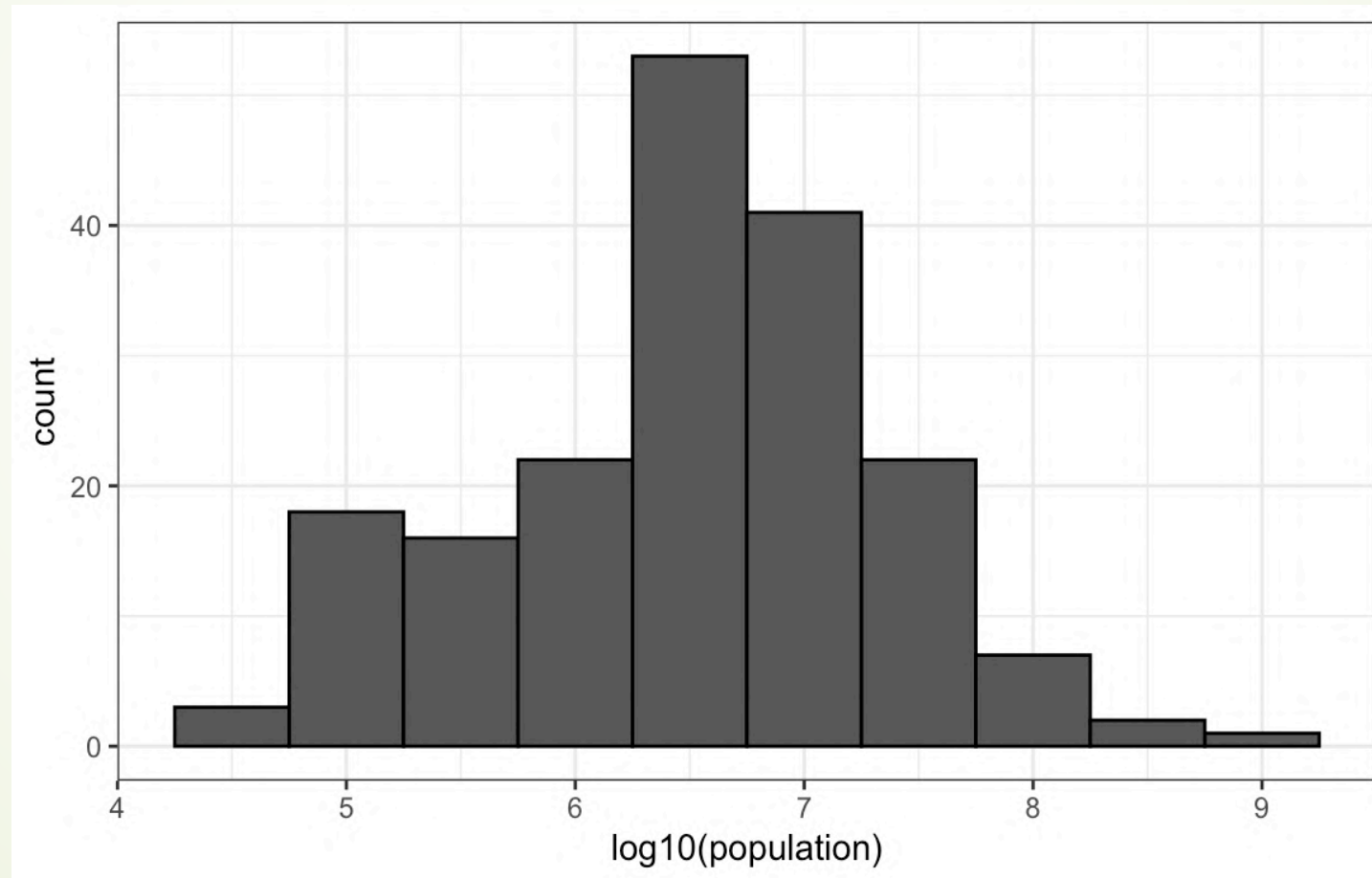


Log-transform

- ▀ A different base might be better: Population
- 

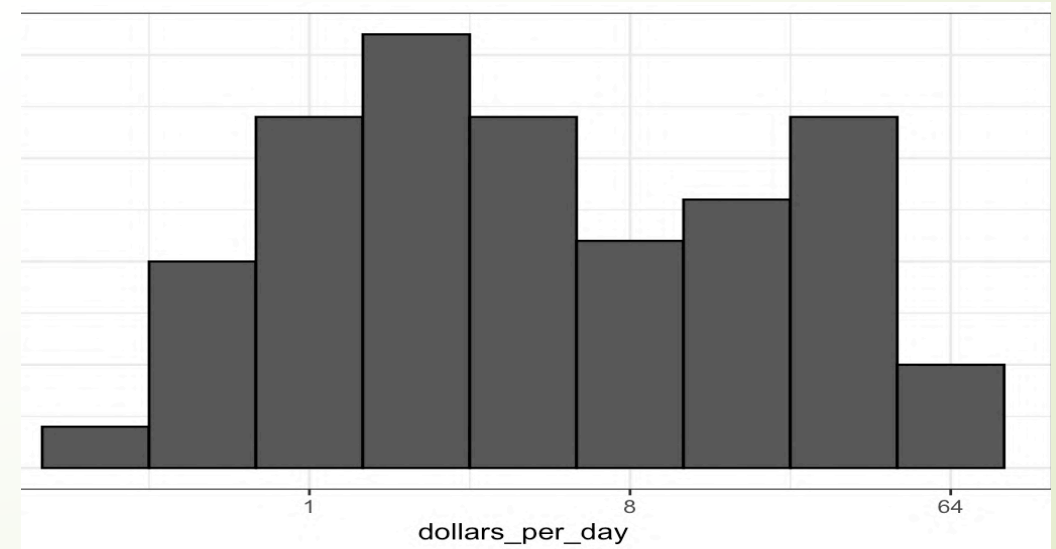
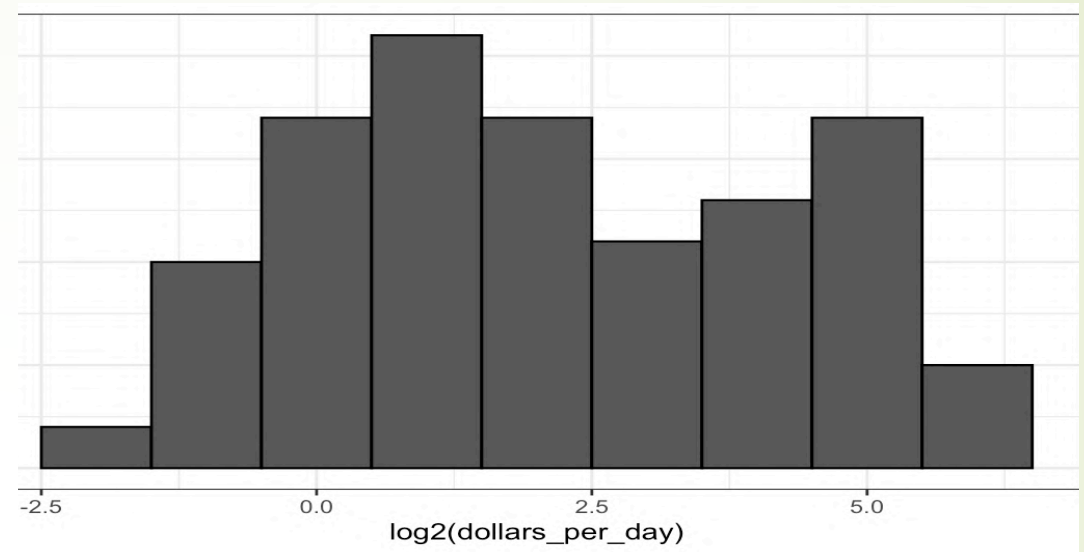
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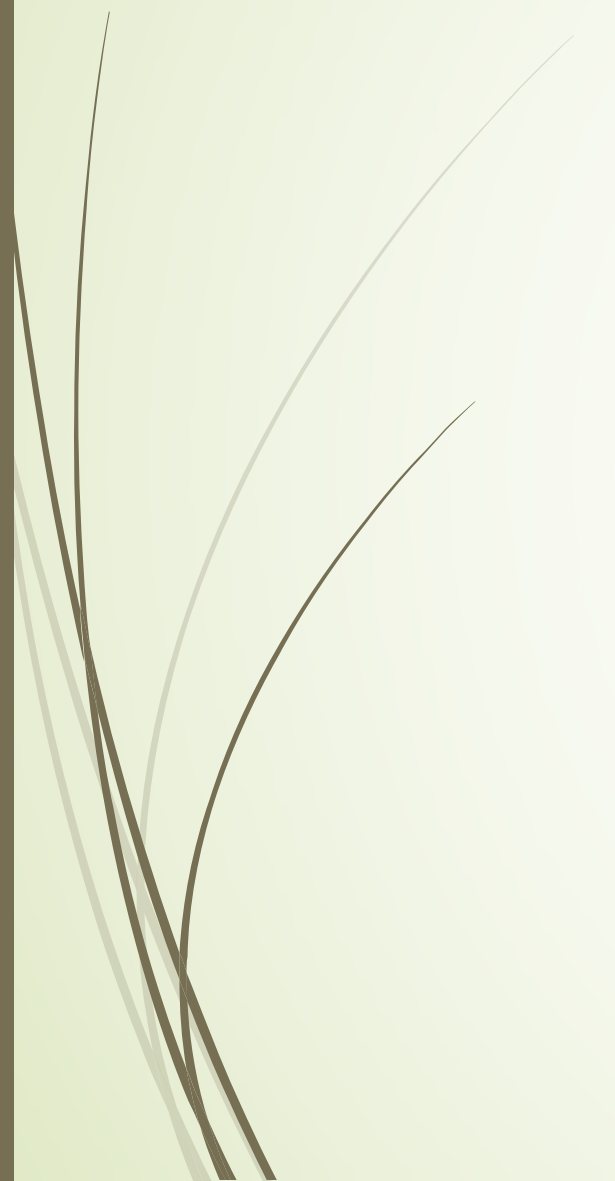
Transform value or scale?

- Transforming scale sometimes provides better interpretation





2. Tidying data



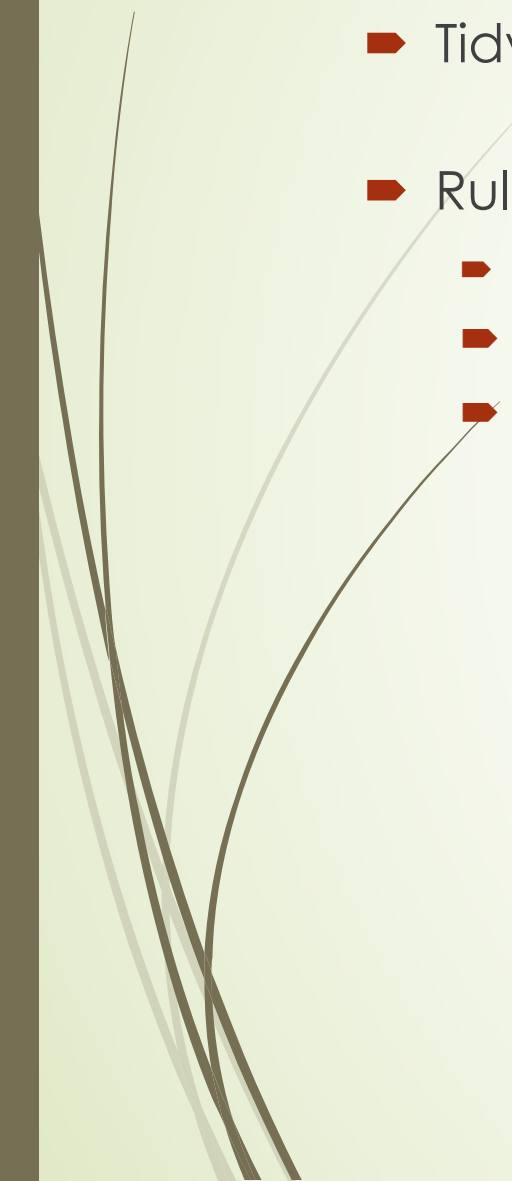


2. Tidying data

- Tidying: **Structuring datasets to facilitate analysis**



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 - Rules of thumb
 - Functional relationships are easiest to see through columns
 - Group comparisons are easiest to see through rows
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