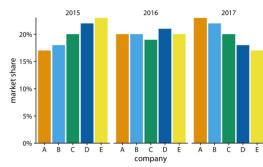






❖ Market share of five hypothetical companies, A–E, for the years 2015–2017, visualized as side-by-side bars.





## The 8th German Bundestag

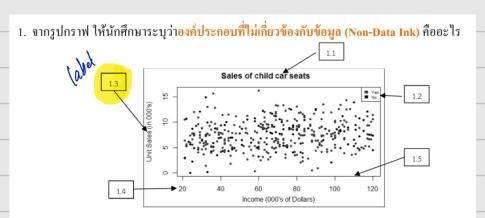
Visualized Data

(SS) ±

Table 8.1 Pros and cons of common approaches to visualizing proportions: pie charts, stacked bars, and side-by-side bars.

	Pie chart	Stacked bars	Side-by-side bars
Clearly visualizes the data as proportions of a whole	~	~	×
Allows easy visual comparison of the relative proportions	×	×	~
Visually emphasizes simple fractions, such as $1/2$ , $1/3$ , $1/4$	~	×	×
Looks visually appealing even for very small datasets	~	×	~
Works well when the whole is broken into many pieces	×	×	~
Works well for the visualization of many sets of proportions or time series of proportions	×	~	×







Acronym	Name	Туре	Application	
pdf	Portable Document Format	vector	general purpose	
eps	Encapsulated PostScript	vector	general purpose, outdated; use pdf	
svg	Scalable Vector Graphics	vector	online use	
png	Portable Network Graphics	bitmap	optimized for line drawings	
jpeg	Joint Photographic Experts Group	bitmap	optimized for photographic images	
tiff	Tagged Image File Format	bitmap	print production, accurate color reproduction	
raw	Raw Image File	bitmap	digital photography, needs post- processing	
gif	Graphics Interchange Format	bitmap	outdated for static figures, Ok for animations	