

Statistics
Chapter 4 – Comparing Distributions

Here are the weekly payrolls for two imaginary restaurants, Mooseburgers and McTofu.

1. Find the 5-Number Summaries (use 1-VarStats)

Statistic	M-burgers	McTofu
Min		
Q1		
Median		
Q3		
Max		

2. Find the mean and standard deviation for each restaurant.

Mooseburgers		McTofu	
Al	\$123	Ken	\$110
Boris	\$136	Latisha	\$115
Connie	\$144	Maria	\$130
Dwight	\$150	Nate	\$100
Ernie	\$110	Otto	\$120
Francois	\$131	Pablo	\$146
Gloria	\$140	Quentin	\$117
Horace	\$160	Rosa	\$129
Isaac	\$120	Sally	\$360
Juan	\$130	Ted	\$132
		Uta	\$107

3. Sketch Histograms to compare Mooseburgers and McTofu weekly payrolls. (Use the same x-axis range and bins for both histograms.)

4. Write a few sentences comparing the distributions of employees' weekly payrolls. Still use SOCS but use comparison words (larger, smaller, etc.) when describing the center and spread.

