Sheather KDE Simulated Data

The KDE Procedure

Inputs	
Data Set	WORK.BIMODAL
Number of Observations Used	20
Variable	x
Bandwidth Method	Sheather-Jones Plug In

Controls	
	x
Grid Points	401
Lower Grid Limit	-1.601
Upper Grid Limit	2.0459
Bandwidth Multiplier	0.2
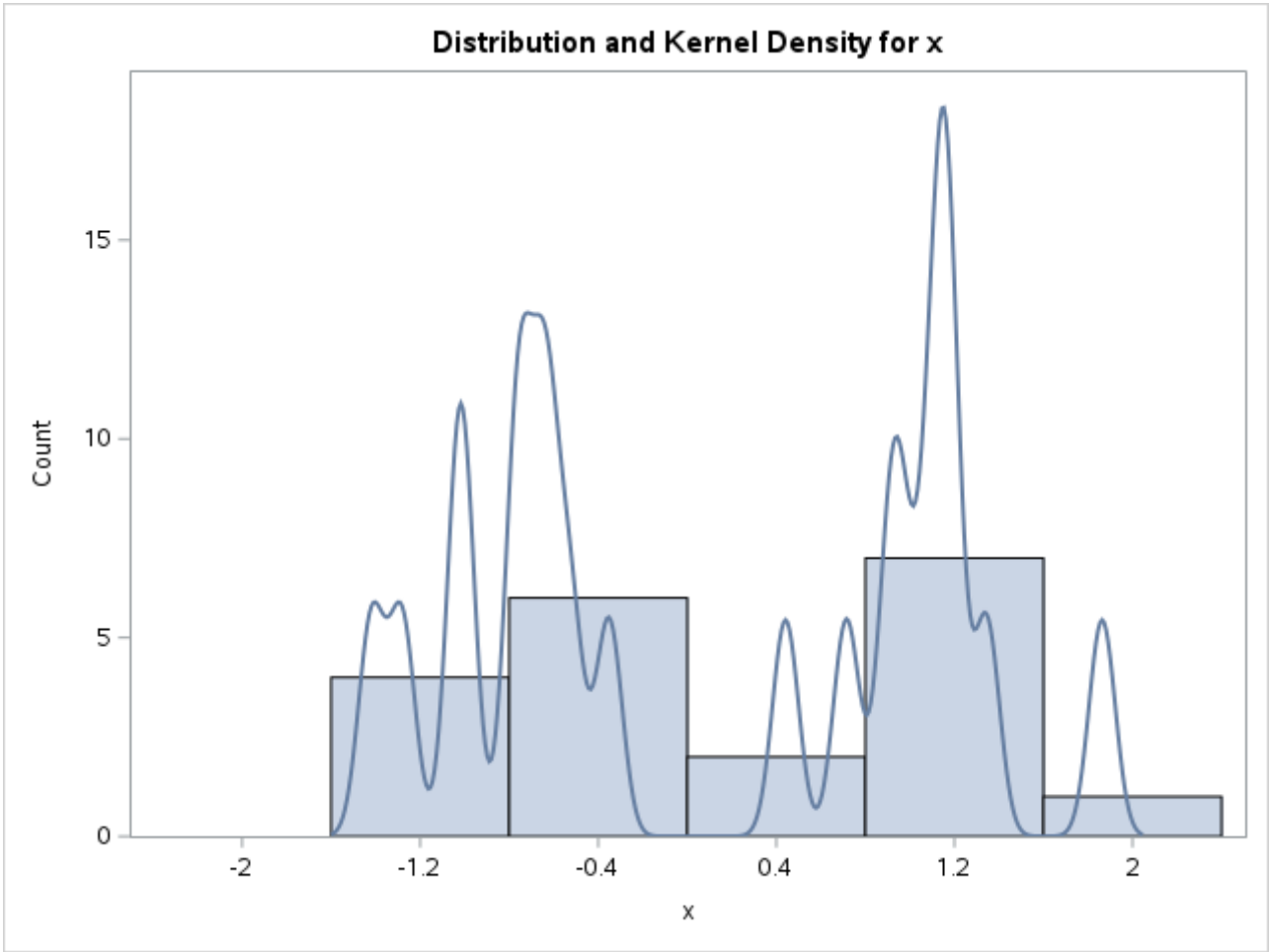
Distribution and Kernel Density for x

Sheather KDE Simulated Data

The KDE Procedure

Inputs	
Data Set	WORK.BIMODAL
Number of Observations Used	20
Variable	x

Inputs	
Bandwidth Method	Sheather-Jones Plug In

Controls	
	x
Grid Points	401
Lower Grid Limit	-1.781
Upper Grid Limit	2.2256
Bandwidth Multiplier	0.4
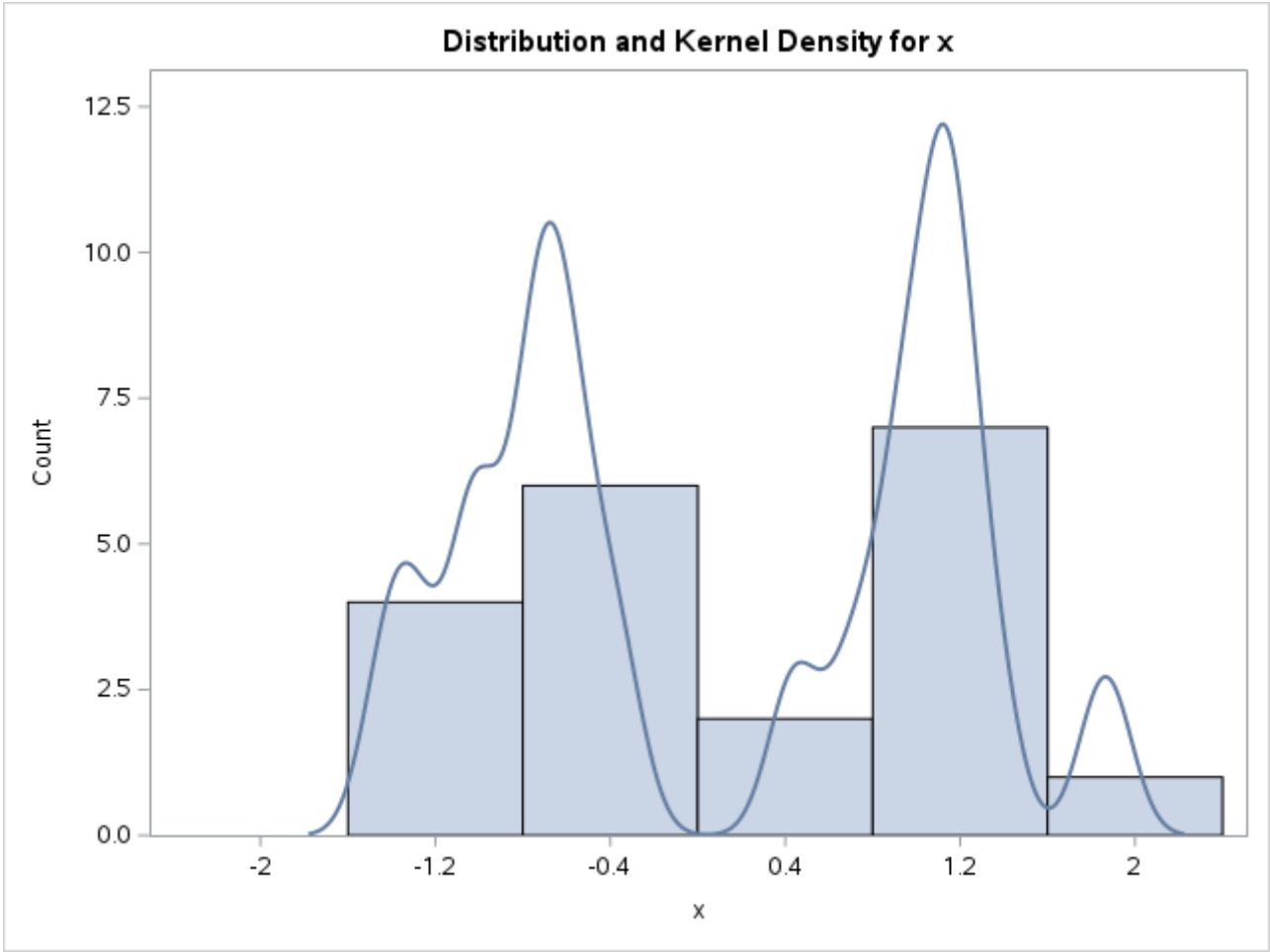
Distribution and Kernel Density for x

Sheather KDE Simulated Data

The KDE Procedure

Inputs	
Data Set	WORK.BIMODAL
Number of Observations Used	20
Variable	x
Bandwidth Method	Sheather-Jones Plug In

Controls	
	x
Grid Points	401
Lower Grid Limit	-1.96
Upper Grid Limit	2.4054

Controls	
	x
Bandwidth Multiplier	0.6
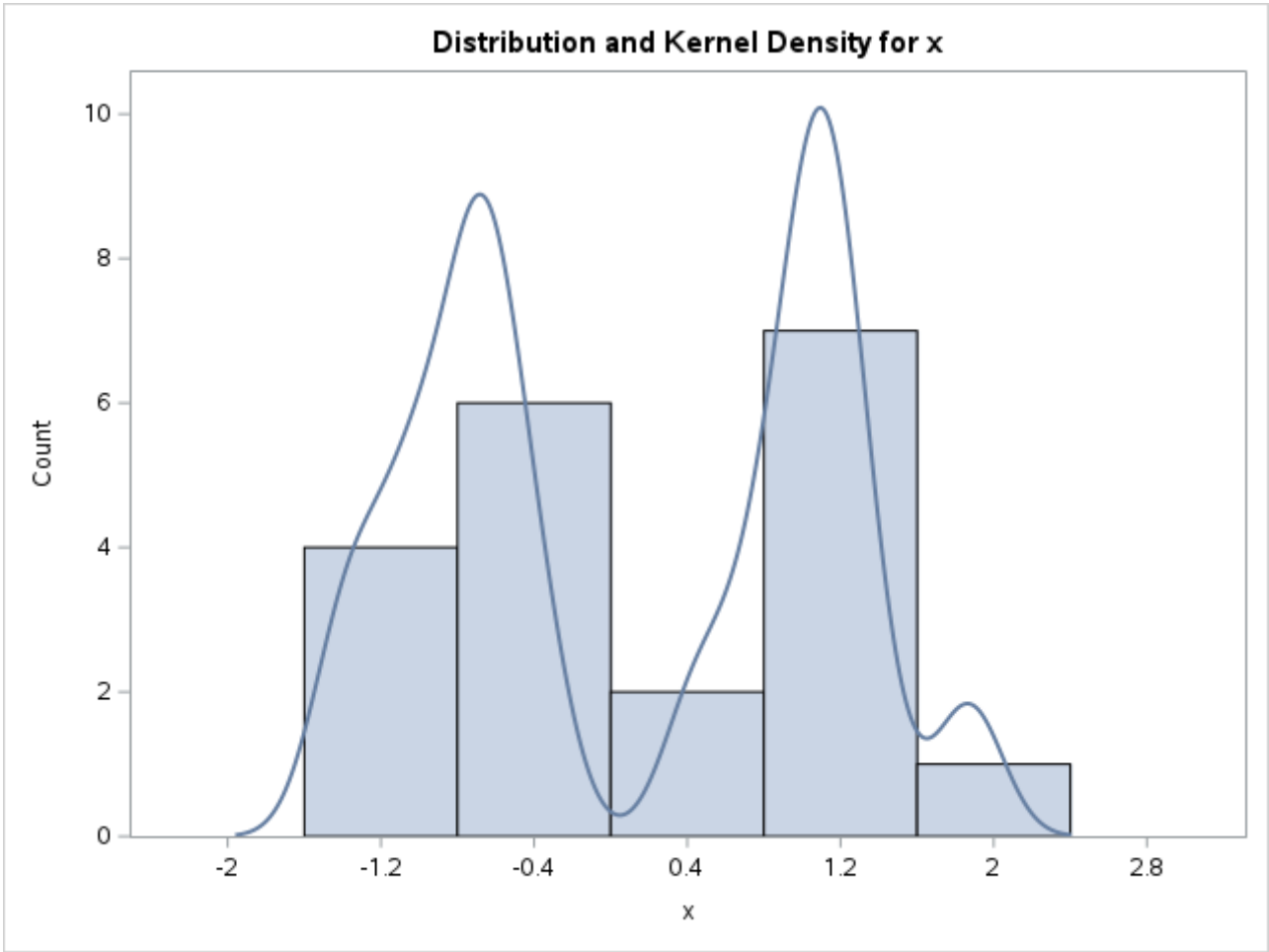
Distribution and Kernel Density for x

Sheather KDE Simulated Data

The KDE Procedure

Inputs	
Data Set	WORK.BIMODAL
Number of Observations Used	20
Variable	x
Bandwidth Method	Sheather-Jones Plug In

Controls	
	x
Grid Points	401
Lower Grid Limit	-2.14
Upper Grid Limit	2.5852
Bandwidth Multiplier	0.8
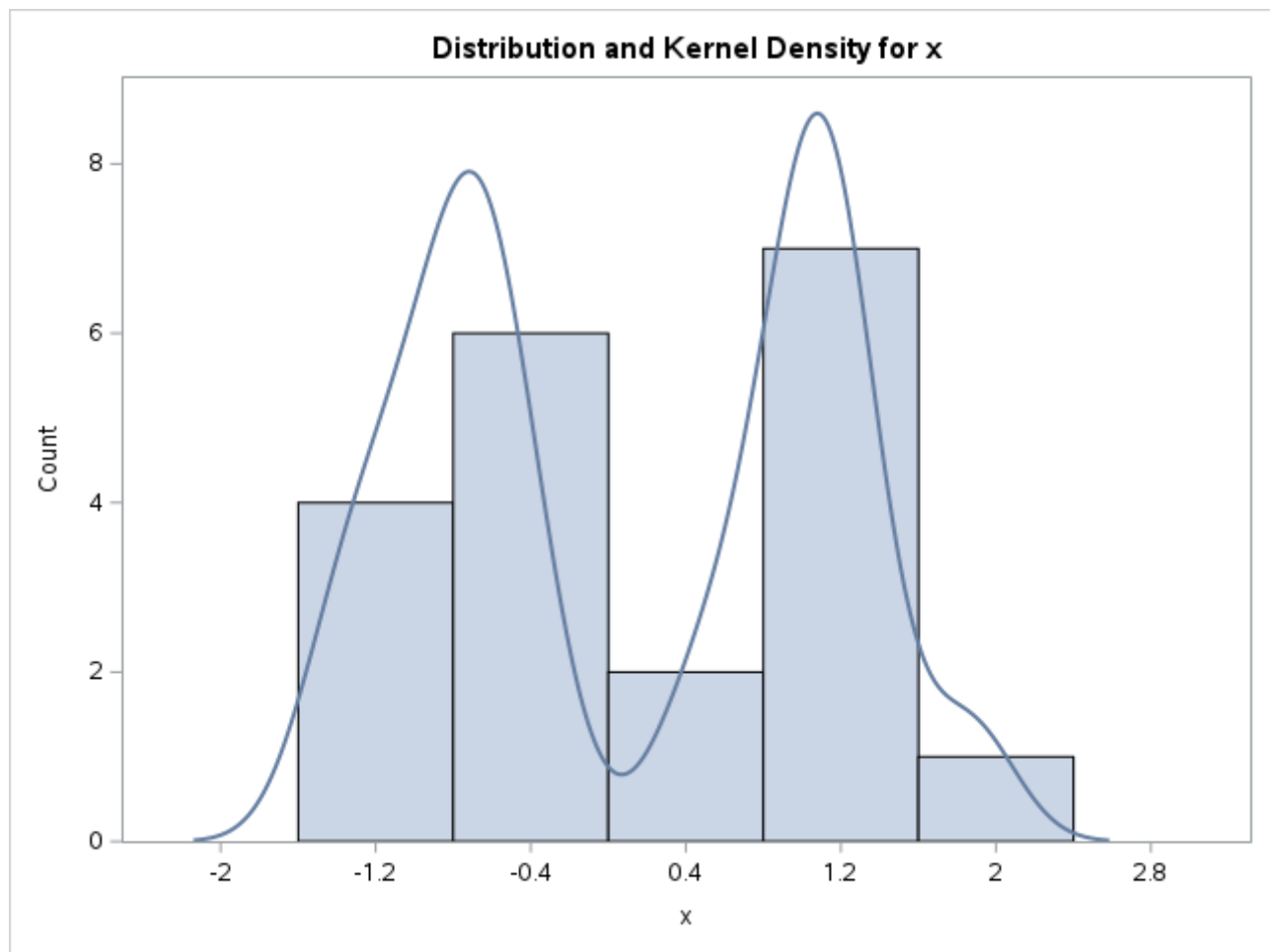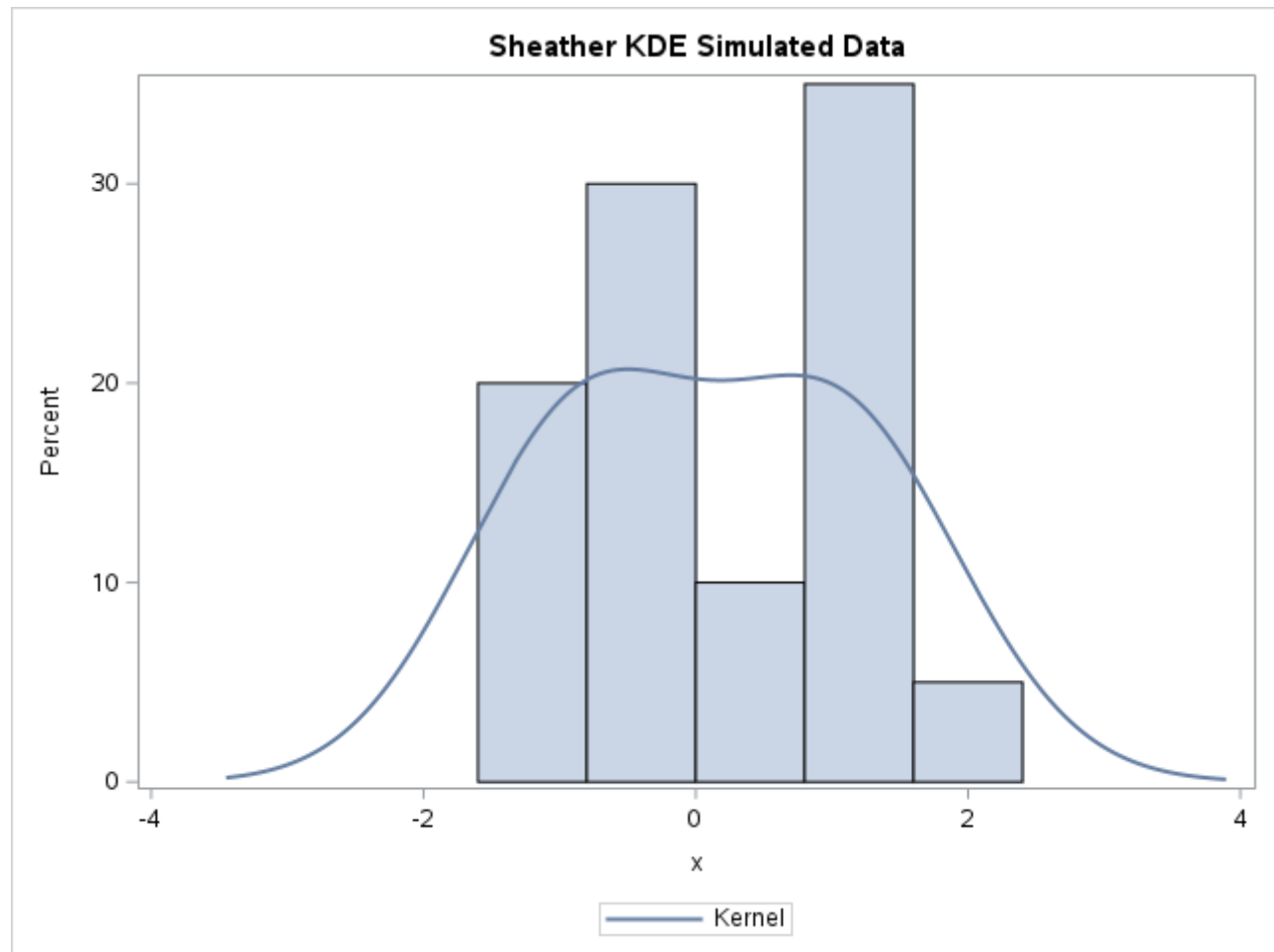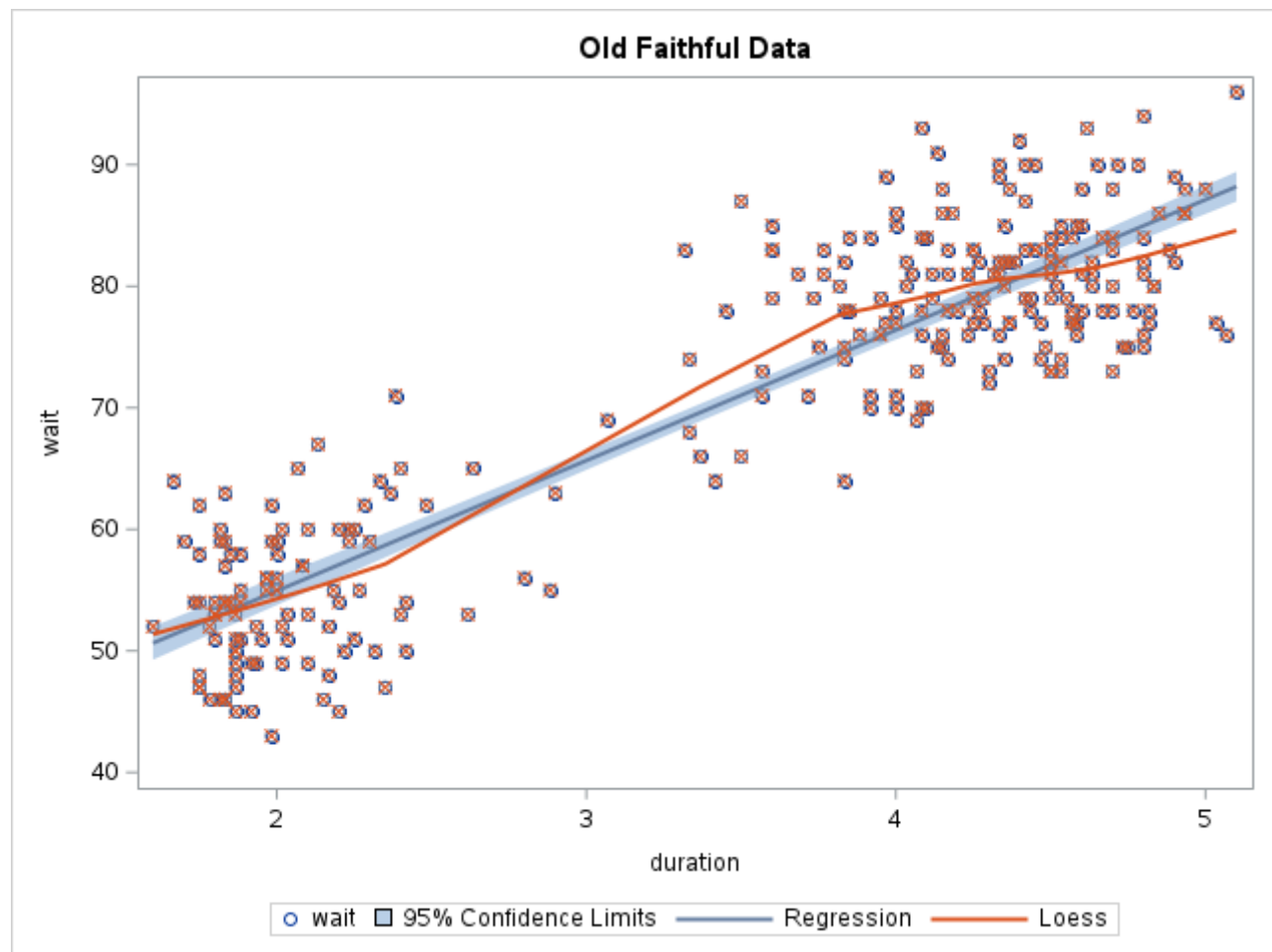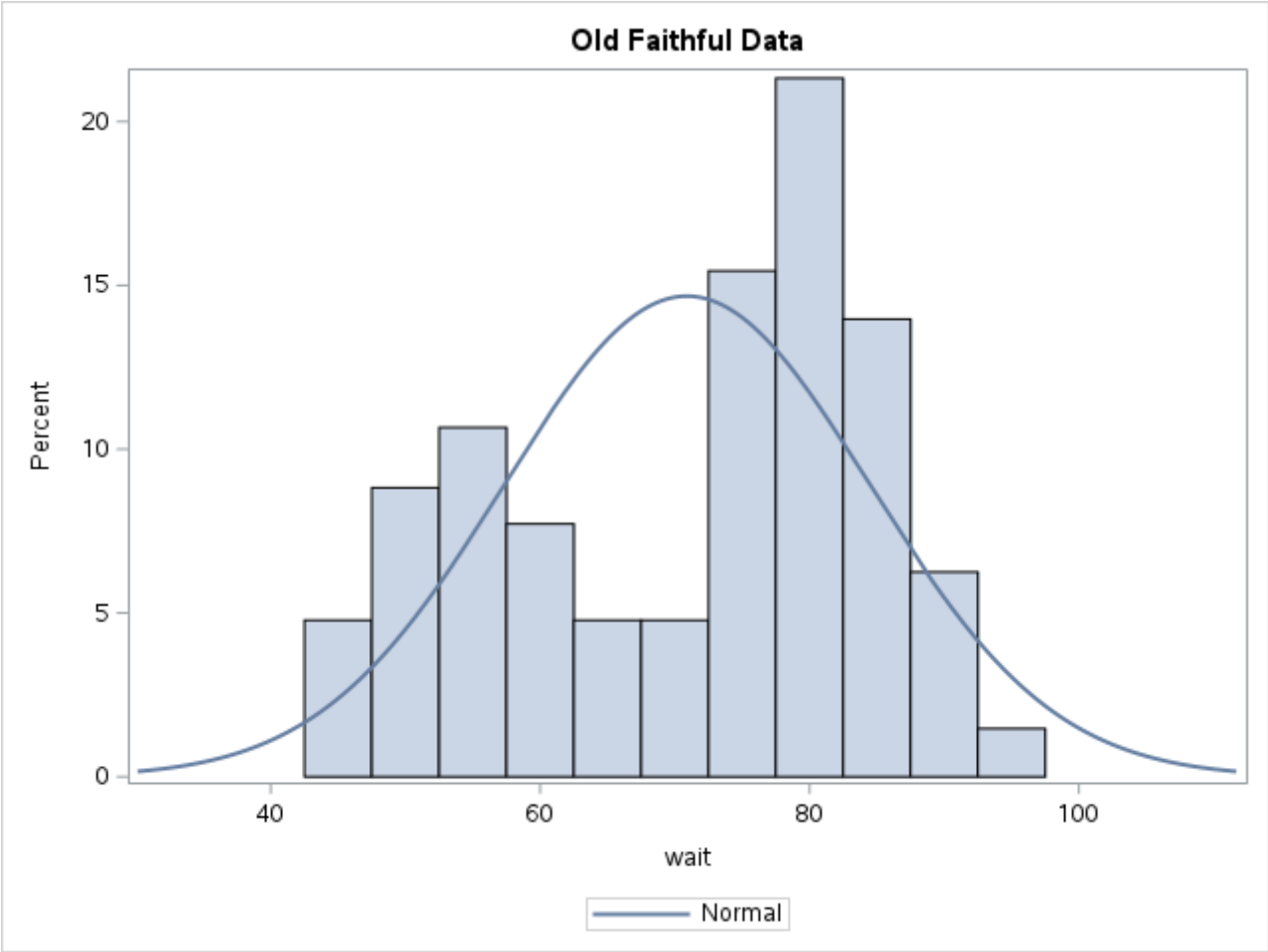
Distribution and Kernel Density for x

Sheather KDE Simulated Data

Old Faithful Data

Old Faithful Data

Old Faithful Data

The KDE Procedure

Inputs	
Data Set	WORK.FAITHFUL
Number of Observations Used	272
Variable	wait
Bandwidth Method	Sheather-Jones Plug In

Controls	
	wait
Grid Points	401
Lower Grid Limit	35.133
Upper Grid Limit	103.87
Bandwidth Multiplier	1
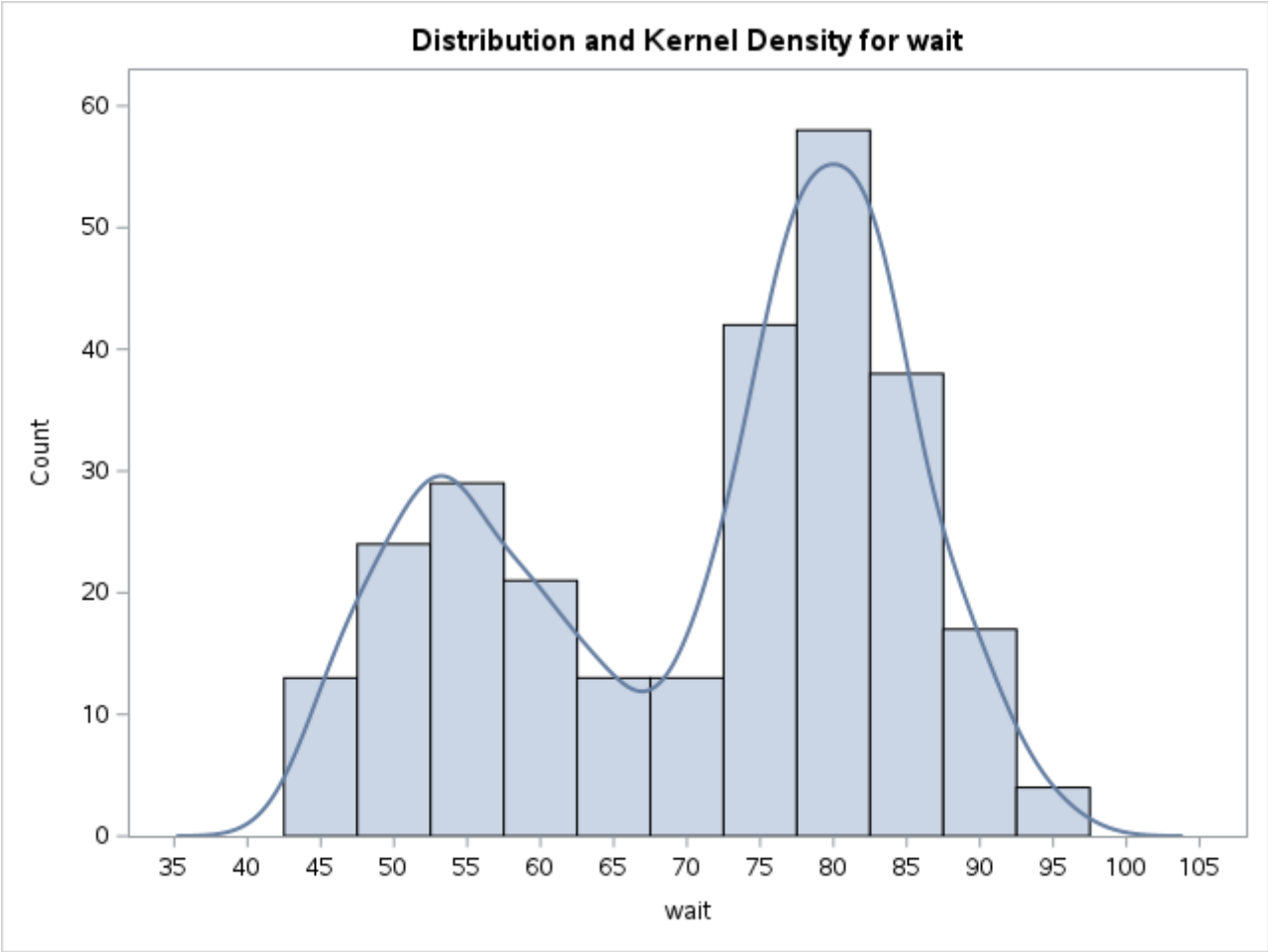
Distribution and Kernel Density for wait

Old Faithful Data

The KDE Procedure

Inputs	
Data Set	WORK.FAITHFUL
Number of Observations Used	272
Variable 1	wait
Variable 2	duration
Bandwidth Method	Simple Normal Reference

Controls		
	wait	duration
Grid Points	60	60
Lower Grid Limit	26.852	0.2328
Upper Grid Limit	112.15	6.4672
Bandwidth Multiplier	1	1

Kernel Density for wait and duration