Data Management lends itself better to projects that take place over several days. It is best to meld instruction and assessment through these projects. This is more meaningful for students and for many makes the projects more valid. Understanding can be assessed through oral discussions, tests and quizzes. Performance stations can be used for probability activities.

Teachers can create and adapt stations for probability as need and opportunities arise. Similar stations can be created by using activities from textbooks and other resources. Binders that accompany manipulatives are an excellent source of ready-made activities.

A few good resources are:

Name	Distributor	Where to Order	Order #	Cost
Overhead Dice (set of 2)	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-201-87205-6	\$6.95
Probability Model Masters Dale Seymour	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-86651-537-2	\$14.70
Bases for Transparent Spinners (These are included in the above listing)	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-86651-430-9	\$10.50
Probability Job cards 6-9 Creative Publications	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-1-56107-103-X	\$23.10
Paper Towel Testing GEMS - Lawrence Hall of Science	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-912511-65-6	\$11.85
Problem Solving with Polyhedra Dice	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-201-87225-4	\$12.55
Probability Activities for Problem Solving and Reinforcement	Exclusive	Exclusive	4251	\$24.95

Many-sided dice are available in gaming stores and as a kit or individually from the Exclusive catalogue, (1-800-563-1166 for a catalogue) and from Addison-Wesley (1-800-387-8028).

Getting ready . . .

Station #1 Use the surveys that are provided, make your own or have the students conduct an actual survey. A blank is provided is needed.

Station #3 Have students tell you their height and provide the data anonymously.

Station #4 Provide real, current and interesting data for the students.

Station #10 Collect graphs from current resources that distort information.

Cut out and place in an envelope labelled "VIDEO SURVEY"

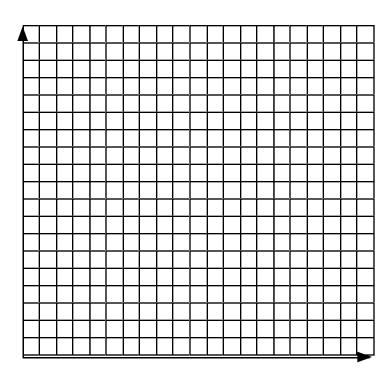
I rent the following number of videos per month: 0 1-5 6-10 more	I rent the following number of videos per month: 0 1-5 6-10 more		
The three types of videos I would most likely would rent are	The three types of videos I would most likely would rent are		
family adventure horror drama children's western action thriller science fiction animation	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
I rent the following number of videos per month: 0 1-5 6-10 more	I rent the following number of videos per month: 0 1-5 6-10 more		
The three types of videos I would most likely would rent are	The three types of videos I would most likely would rent are		
$\begin{array}{cccc} \text{family} & \text{adventure} \\ \text{horror} & \text{drama} \\ \text{children's} & \sqrt{\text{western}} \\ \text{action} & \text{thriller} \\ \sqrt{\text{science fiction}} & \sqrt{\text{animation}} \end{array}$	$\begin{array}{cccc} \text{family} & \text{adventure} \\ \text{horror} & & \text{drama} \\ \text{children's} & \text{western} \\ & \text{action} & & \text{thriller} \\ \text{science fiction} & & \text{animation} \end{array}$		
I rent the following number of videos per month: 0 (1-5) 6-10 more	I rent the following number of videos per month: 0 (1-5) 6-10 more		
The three types of videos I would most likely would rent are	The three types of videos I would most likely would rent are		
$\begin{array}{lll} \text{family} & & & \text{adventure} \\ \text{horror} & & \text{drama} \\ \text{children's} & & & \text{western} \\ \text{action} & & \text{thriller} \\ \text{science} & \text{fiction} & & \text{animation} \end{array}$	family adventure √ horror drama children's western √ action thriller √ science fiction animation		
I rent the following number of videos per month 0 1-5 6-10 more The three types of videos I would most likely would rent are	I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are		
family adventure horror drama children's western action thriller science fiction animation	$\begin{array}{cccc} \text{family} & \text{adventure} \\ \text{horror} & \sqrt{\text{drama}} \\ \sqrt{\text{children's}} & \text{western} \\ \text{action} & \text{thriller} \\ \text{science fiction} & \sqrt{\text{animation}} \end{array}$		

I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are family adventure drama √ children's western action √ thriller √ science fiction animation	I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are family adventure √ horror drama children's western action √ thriller science fiction √ animation	
I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are $ \sqrt{\text{family}} \qquad \text{adventure drama} \\ \text{children's} \qquad \text{western} \\ \text{action} \qquad \text{thriller} \\ \sqrt{\text{science fiction}} \qquad \sqrt{\text{animation}} $	I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are √ family √ adventure horror drama √ children's western action thriller science fiction animation	
I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are √ family adventure horror √ drama children's western √ action thriller science fiction animation	I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are family adventure horror √ drama √ children's western action thriller science fiction √ animation	
I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are family adventure horror drama children's western action √ thriller √ science fiction √ animation	I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are √ family adventure horror drama √ children's √ western action thriller science fiction animation	

I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are √ family adventure √ horror drama children's western action thriller science fiction √ animation	I rent the following number of videos per month: 1-5 6-10 more The three types of videos I would most likely would rent are family adventure horror drama children's western action thriller science fiction animation
I rent the following number of videos per month: 0 (1-5) 6-10 more The three types of videos I would most likely would rent are family adventure horror √ drama children's western √ action thriller √ science fiction animation	I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are family
I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are v family adventure drama children's western √action thriller science fiction √animation	I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are family adventure horror drama children's western √ action thriller √ science fiction √ animation
I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are family	I rent the following number of videos per month: 0 1-5 6-10 more The three types of videos I would most likely would rent are family adventure horror drama √ children's western action √ thriller √ science fiction animation

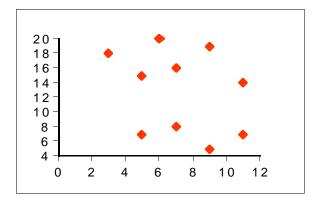
		i		
I would the following would	ahan af midaaa	I would the following womb	£:J	
I rent the following number of videos per month: 0 1-5 6-10 more		I rent the following number of videos per month: 0 1-5 6-10 more		
per month. 0 1-3 0	·10 more	per month. 0 1-3 (0-10 more	
The three types of videos I would most		The three types of videos	I would most	
likely would rent are		likely would rent are		
family	adventure	family	adventure	
horror	drama	horror	drama	
children's	western	children's	western thriller	
action science fiction	thriller animation	action science fiction	animation	
science fiction	animation	science fiction	animation	
I rent the following num		I rent the following number of videos		
per month: 0 1-5 6-	-10 more	per month: 0 1-5	6-10 more	
The three types of wiles	a I would mast	The three types of wides !	I would most	
The three types of video likely would rent are	s i would most	The three types of videos I likely would rent a		
incly would lent are		inkery would refit a	10	
family	adventure	family	adventure	
horror	drama	horror	drama	
children's	western	children's	western	
action	thriller	action	thriller	
science fiction	animation	science fiction	animation	
I rent the following num		I rent the following number		
per month: 0 1-5 6-	-10 more	per month: 0 1-5	6-10 more	
The three types of video	s I would most	The three types of videos	I would most	
The three types of videos I would most likely would rent are		The three types of videos I would most likely would rent are		
			-	
family	adventure	family	adventure	
horror	drama	horror	drama	
children's	western	children's	western	
action	thriller	action	thriller	
science fiction	animation	science fiction	animation	
I rent the following num	aber of videos	I rent the following number	er of videos	
per month: 0 1-5 6-10 more		per month: 0 1-5 6-10 more		
		_		
The three types of videos I would most		The three types of videos I would most		
likely would rent are		likely would rent a	re	
family	adventure	family	adventure	
horror	drama	horror	drama	
children's	western	children's	western	
action	thriller	action	thriller	
science fiction	animation	science fiction	animation	

1.



2.

- 3. a) Draw the line of best fit.
 - b) What conclusions can be drawn from this data?
 - c) Describe the relationship between shots made and distance.



- 4. a) Examine these scatterplots.
 - b) Describe the pattern of the dots.
 - c) Account for the dots not lying on the line.
 - d) State the relation in words for each plot.

