

Algebra P4
Homework #54

Analyze This!

For each of the three data sets below, describe its center, spread and shape.

Data Set #1: This data shows the number of auto accidents per year for every 1000 people in each of 38 occupations:

Student	152	Banking	89
Physician	109	Customer service	88
Lawyer	106	Manager	88
Architect	105	Medical support	87
Real estate broker	102	Computers	87
Enlisted military	99	Dentist	86
Social worker	98	Pharmacist	85
Manual laborer	96	Proprietor	84
Analyst	95	Teacher	84
Engineer	94	Accountant	84
Consultant	94	Law enforcement	79
Sales	93	Physical therapist	78
Military officer	91	Veterinarian	78
Nurse	90	Secretary	77
School administrator	90	Clergy	76
Skilled laborer	90	Homemaker	76
Creative arts	90	Politician	76
Executive	89	Pilot	75
Insurance agent	89	Firefighter	67

Data Set #2: This is the percentage of people eligible for a low-income Medicare drug plan in 49 states (one state had no data):

24	27	12	38	21	26	23	33
19	19	26	28	16	21	28	20
21	41	22	16	29	26	22	16
27	22	19	22	22	22	30	20
21	34	26	20	25	19	17	21
27	19	27	34	20	30	20	21
14	18						

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Data Set #3: This is the number of times during the semester that 40 students in a class visited a website that makes notes, homeworks, and grades available online:

20	37	4	20	0	84	14	36	5	331	19	0	13	42
0	22	3	13	14	36	4	0	18	8	0	26	12	
4	0	5	23	19	7	12	8	13	16	21	7	8	