

DUAL THE A1: APPENDIX

ANALYSIS OF ACCIDENT DATA January 2010

Figure 1.

Summary of A1 accidents

1st September 2004 – 1st January 2009

		Slight accidents	Serious accidents	Fatal accidents	Total	%
Castle Morpeth ¹	Single	40	4	2	46	16.9%
	Dual	56	13	2	71	26.1%
Alnwick ²	Single	25	5	2	32	11.8%
	Dual	33	9	2	44	16.2%
Berwick ³	Single	51	13	3	67	24.6%
	Dual	11	1	0	12	4.4%
Total accidents:		216	45	11	272	
%		79.4%	16.5%	4.0%	100%	

Figure 2.

The day of the week when accidents happened

Day of the week	Number of accidents	%
Friday	44	16.2
Saturday	44	16.2
Sunday	46	16.9
Monday	38	14.0
Tuesday	32	11.8
Wednesday	37	13.6
Thursday	31	11.4
Total	272	100

¹ From Seaton Burn Junction to Coquet Bridge at Westmoor (17 miles).

² From Coquet Bridge to Ellingham turnoff (17 miles).

³ From Ellingham to the Border (24 miles).

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Figure 3.
The time of day when accidents happened

Time of day	Number of accidents	%
Early morning	12	4.4
Morning	87	32.0
Afternoon	90	33.1
Early evening	20	7.4
Evening	28	10.3
Night	35	12.9
Total	272	100

Figure 4.
External weather conditions when accidents happened

Weather	Frequency	%
Fine	223	82
Rain	35	12.9
Snow	6	2.2
Fog	5	1.8
Total	269	98.9
Unallocated	3	1.1
Total	272	100

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Figure 5.
Wind conditions when accidents happened

Wind	Accidents	%
None	249	91.5
Windy	2	0.7
High Winds	18	6.6
Total	269	98.9
System	3	1.1
Total	272	100

Figure 6.
Condition of road surface at time and location of accidents

Road condition	Accidents	%
Dry	166	61
Wet	92	33.8
Snow	4	1.5
Flooded (over 3cm)	3	1.1
Frost/ice	7	2.6
Total	272	100

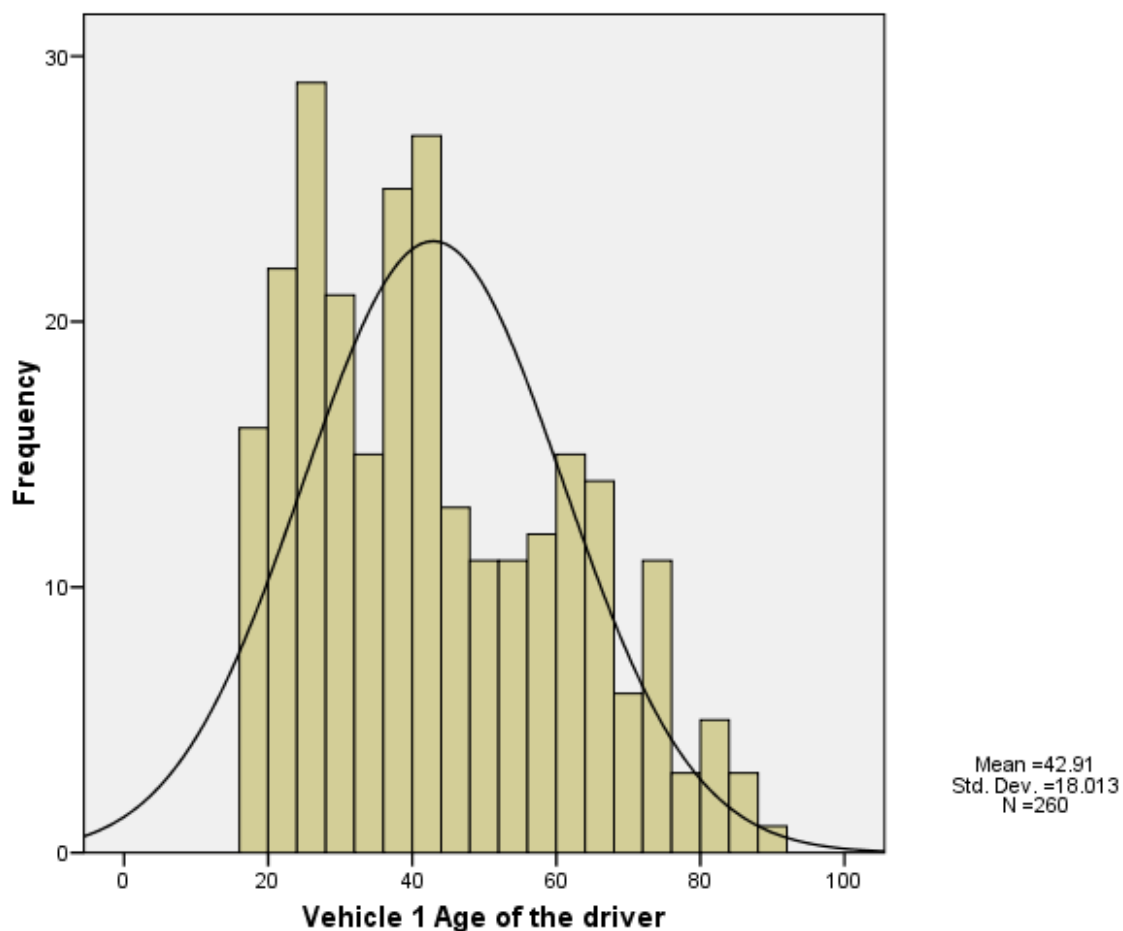
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Figure 7.
Gender of driver recorded as cause of accident

Gender	Accidents	%
Male	199	73.2
Female	65	23.9
Unknown	2	0.7
Total	266	97.8
System	6	2.2
Total	272	100

Figure 8.
Age of driver recorded as cause of accident



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Figure 9.

The seasons when accidents happen

Season	Accidents	%
Autumn	59	21.7
Spring	55	20.2
Summer	86	31.6
Winter	72	26.5
Total	272	100