Appendix 1. value coding for all selected variables

value Age_Band_of_Driver	value Junction_Detail	value Speed_limit_category
-1="Unknown"	0="Not at junction or within 20 metres"	1="10 mph"
1="0-5 years old"	1="Roundabout"	2="15 mph"
2="6-10 years old"	2="Mini-roundabout"	3="20 mph"
3="11-15 years	3="T or staggered junction"	4="30 mph"
4="16-20 years old"	5="Slip road"	5="40 mph"
5="21-25 years old"	6="Crossroads"	6="50 mph"
6="26-35 years old"	7="More than 4 arms (not roundabout)"	7="60 mph"
7="36-45 years old"	8="Private drive or entrance"	8="70 mph"
8="46-55 years old"	9="Other junction"	
9="56-65 years old"	-1="Data missing or out of range"	
10="66-75 years old"		
11="over 75"		
value Day_of_Week	**value Light_Conditions**	**value No_of_Casuality**
1="Sunday"	1="Daylight"	1="up to 5"
2="Monday"	4="Darkness - lights lit"	2="6 to 15"
3="Tuseday"	5="Darkness - lights unlit"	3="16 to 30"
4="Wednesday"	6="Darkness - no lighting"	4="31 to 50"
5="Thursday"	7="Darkness–lighting unknown"	5="More than 50"
6="Friday"	-1="Data missing or out of range"	
7="Saturday"		
Value 1st_Point_of_Impact	**value Vehicle_Manoeuvre**	**value Vehicle_Type**
0="Did not impact"	1="Reversing"	1="Pedal cycle"
1="Front"	2="Parked"	2="Motorcycle 50cc and under"
2="Back"	3="Waiting to go - held up" 4="Slowing or stopping"	3="Motorcycle 125cc and under"
3="Offside"	5="Moving off"	4="Motorcycle over 125cc and up to 500cc"
4="Nearside"	6="U-turn"	5="Motorcycle over 500cc
-1="Data missing or out of rang	7="Turning left"	8="Taxi/Private hire car"
	8="Waiting to turn left"	9="Car"
	9="Turning right"	10="Minibus(8-16passenger seat)"
	10="Waiting to turn right"11="Changing lane to left"	11="Bus or coach (17 or more pass seat"
		16="Ridden horse"
		17="Agricultural vehicle"
		18="Tram"

	12="Changing lane to right" 13="Overtaking moving vehicle - offside" 14="Overtaking static vehicle - offside" 15="Overtaking - nearside" 16="Going ahead left-hand bend" 17="Going ahead right-hand bend" 18="Going ahead other" -1="Data missing or out of range"	19="Van/Good 3.5 tonnes mgw or under" 20="Goods over 3.5T and under 7.5T" 21="Goods 7.5T mgw and over" 22="Mobility Scooter" 23="Electric motorcycle" 90="Other vehicle" 97="Motorcycle-unknown cc" 98="Goods vehicle-unknown weight" -1="Data missing or out of range"
value Road_Type 1="Roundabout" 2="One way street" 3="Dual carriageway" 6="Single carriageway" 7="Slip road" 9="Unknown" 12="One way street/Slip road" -1="Data missing or out of range"	**value Sex_of_Driver** 1="Male" 2="Female" 3="Not Known" -1="Data missing or out of range"	**valueNumber_of_Vehicles_Involved** 1="Single" 2="Double" 3="Multiple"
value Accident_Severity 1="Fatal" 2="Serious" 3="Slight"		