

# تحليل اخطار السيارات في العراق

المقدمة

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## القسم الاول - مفهوم وتحليل الخطر

(Riegel&Miller:1966 )

(Wood:1964)

(Knight) .(William,et.al:1971 )

(Pfeffer)

(Wilett)

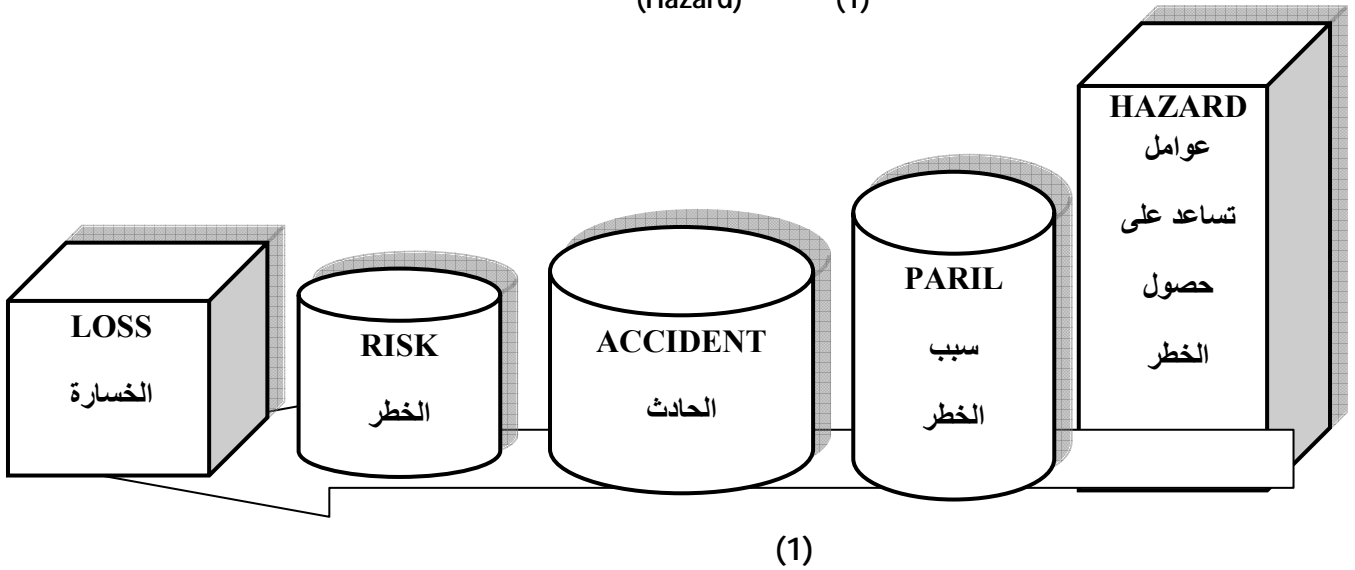
. (Denenberg:1974)

(Hamond:1968)

.(Williams&Heins:1971)

( Peril, Hazard, Accident, Loss)

(Hazard) (1)



(Peril)

(Accident)

(Loss)

(Risk)





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-1

.(Denenberg:1974)

.(Williams&Heins:1971)

(Jacob Bernoulli)

.(Mehr&Hedges:1974)

:- (Dickson:1987) HAZOP -2

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Hazar Probability

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:- (Koldner:1983)

(Fault Tree)

2

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-(Williams&Heins:1971)

-3

(Cradle)

### القسم الثاني / منهجية البحث

-

69 1985

.(1989: ) (6772121)

(222278)

(8,2) (12,6)

.(1989: )'1985

.(19,6)

(7,7)

(100000)

(19,6)

(28,4)

-

.(1989: )

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:

-1

-2

-3

-4



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:	-1
.	-2
.	-3
	-
(11) 1990-1980	
1992-1991	
1991	
	-
	(hazop)
	-
(1978: )	
	(1981: )
)	) (
)	(
	(
(82: )	.



(1985: )

[ ]

(1987: ) .

(|1989: ) .

### القسم الثالث / تحليل اخطار السيارات في العراق

( )

( )

.(1981: ) ( )

.(1981: )

.(1981: )

(Collision)

(Run Over)

.(1989: )

(Capsizing)



:

-1

1990\_1980 (1)  
 1988 (21669)  
 (29026) 1986 (34413)  
 (80)  
 365

1	28985	125	9557	2432	16998	1980
2	29285	109	10273	2498	16405	1981
3	28656	139	9110	2581	16804	1982
4	31988	153	11417	3144	17274	1983
5	33076	127	13125	3005	16815	1984
6	32003	142	13960	2908	14991	1985
7	34413	84	15596	2946	13787	1986
8	28886	101	14103	2655	12025	1987
9	21669	61	11460	1964	8184	1988
10	24990	54	11921	2230	10785	1989
11	25310	37	12177	2124	10905	1990
	29026	107	12067	2578	14271	
	100%	0.4%	41%	9%	49%	





(3144) 1988	(1964)		
	(2578)	1983	
(9140)		(7)	
(12029)	1986	(15596) 1982	
	(33)		
(54)			
(107)	1982	(159) 1989	
	(0,29)		
%41,4		( )	%49,2
%4,0	%9		
	:		-2
		(1984-1980)	
(1990-1989)		(1988-1985)	

$$1101 - 20366 = :$$

$$1101 - 20366 = 1 : -$$

$$= 1$$

$$1980 =$$

$$111 - 3131 = 2 : -$$

$$= 2$$

$$10 + 11493 = 3 : -$$

$$= 3$$

$$11.1 - 170 = 4 : -$$

$$= 4$$

	( )		1990-1980
(626) 1988	(224)	(2)	
	(392)	(10000) 1980	



(2)

1	625	463146	28985	1980
2	535	547352	29285	1981
3	448	638724	28686	1982
4	456	700802	34988	1983
5	435	759432	33076	1984
6	390	859274	32007	1985
7	385	883577	34465	1986
8	345	942472	28886	1987
9	274	965285	21668	1988
10	242	1028915	24990	1989
11	243	1041510	25310	1990
	392	796567	29026	

( )

$$54011 + 466325 = \quad -:$$

$$1213 - 35163 = \quad -:$$

:

:



: -1

( )

(3)

1990\_1980

(1218) 1988

(595)

(836)

1987

%2,9

(29026)

(3)

1	28985	121	137	971	24234	2604	918	1980
2	29285	142	91	1087	24989	2240	736	1981
3	28686	105	98	954	24370	2346	813	1982
4	31988	144	113	1103	27149	2623	856	1983
5	33076	134	125	1417	28415	2311	676	1984
6	32003	96	96	1379	27234	2364	837	1985
7	34413	96	98	1415	29829	2967	1005	1986
8	28886	99	74	1440	24972	1983	1216	1987
9	21669	62	71	1224	18011	1736	595	1988
10	24990	181	72	1326	20603	868	706	1989
11	23310	101	76	1088	24337	1974	734	1990
	29026	111	87	1220	24791	2133	836	
	%100	%0.4	%0.3	%4.3	%84.3	%7.8	%2.9	

: -2

(3)

1986

(28828) 1989

(18011)

(24791)

%84,2



: -3

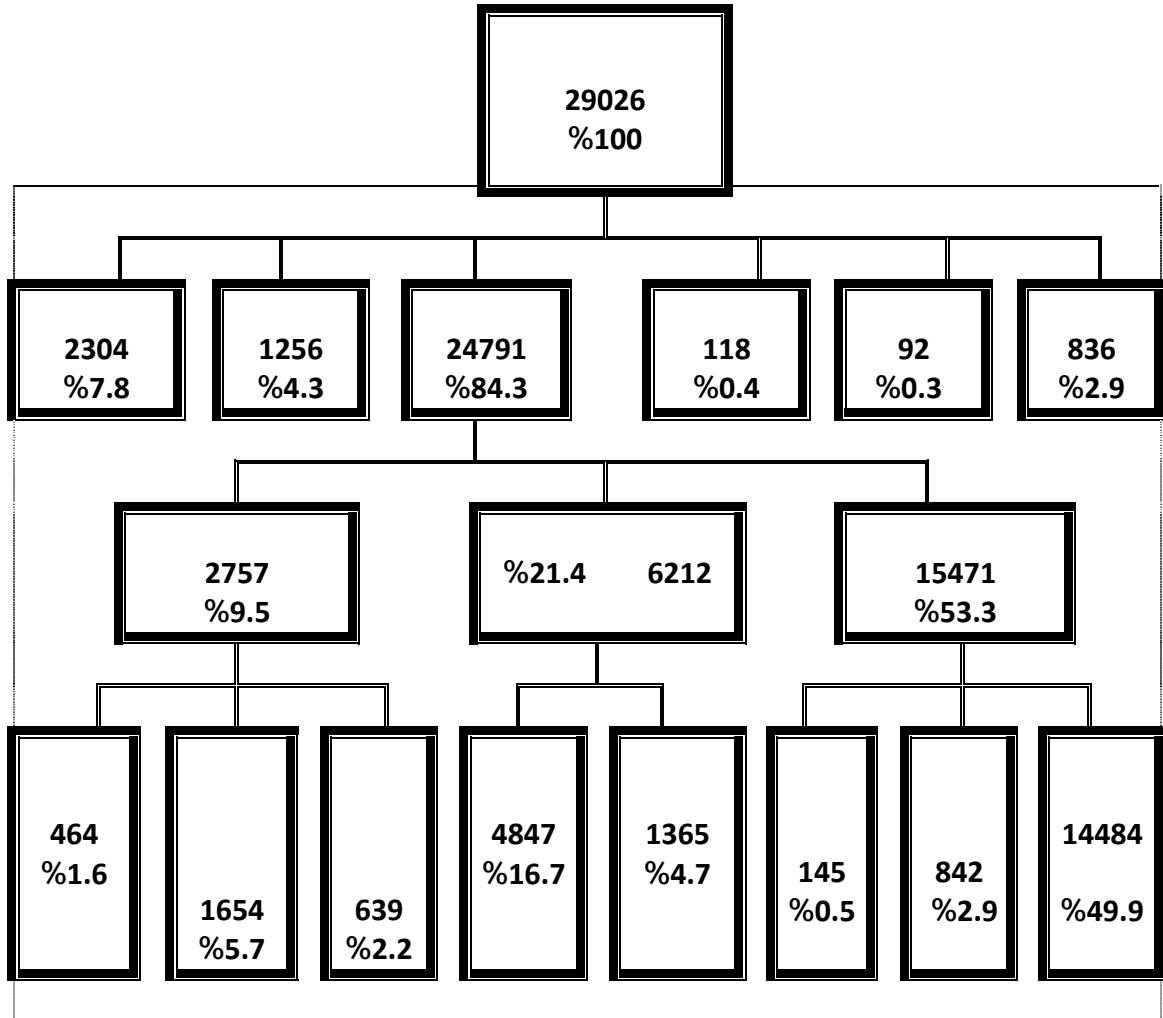
(1736)	(2304)	1986	2967	1988	
			%7,8		
					: -4
1989	1575	1982	954	1256	
		%4,3			
					: -5
(137) 1988		(41)	1980		
%0,3		(92)			
					: -6
1988	(62)				
%0,4	118	1989		(188)	
					: -
	(%84,3)				
			(1990-1980)		
	(32578)	1990-1989			
	:				
	-:				: -1
%11,3	(3679)				
%17,2		(631)			
%59,7		(2198)			
%23,1		(850)			



( )	:	-2
%25,4	(8264)	
%78	(6429)	
%22	(1835)	
(20635)	:	-3
(19322)	%63,3	
(1105)	%93,6	
(208)	%5,4	
	%1	
(1990-1980)		
(24791)	(29026)	
(24791)	%84,3	
%11,3		
:		
	%9.5 = %84.3 × %11.3	
(3269)	1988	(2059)
%21,4		(2757)
(4637)	6212	1986
	. 1986	(7364) 1988
(15471)	%53.3	
.1986	(18342) 1988	(11550)
	:	
	%5.7 = %9.5 × %59.7	
(1962) 1988	(1235)	
	.1986	
(2)		



					-
					.
				-:	
				-:	-1
				( )	
					.
					.
	(19143)				
(22727)	1986		(28489)	1988	
			(62)		
1980	(2607)				
	(4259)	1988		(5089)	
				(11)	
	216 + 21432 =	:			
			=		
	210 + 3002 =				
	=				
			=		



(2)

-: -2

-:

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-  
-



-:

( )

( )

. ( )

( )

(4305070)

1990

(15743710) 1980

(9785539)

1990

(1203) 1980

(222)

(624)

-:

$$87.9 + 96.9 =$$

$$85392 + 4661970 =$$

=

=





### القسم الرابع / الاستنتاجات والتوصيات

			-
			-1
			-2
%90,6			-3
	%41,4	%49,2	-4
1990 - 1980			-5
			-6
			-7
			-8
			-9
			-10
			-11



-  
-1

-2

-3

( )

-4

-5

-6

-7

-8

-9

-10



## المصادر

1981	-1
1976	-2
1983	-3
1989	-4
1978	-5
1982	-6
1988	-7
1987	-8
-	-

- 9- Broden, James, F.1984,Risk Analysis and the Security Survey ,Boston.  
 10- Carter,R.L.&Dohrty,N.A.,1974,Handbook of Risk Management,London.  
 11- Denenberg , Herbert S.&Others, 1974,Risk and Insurance, London.