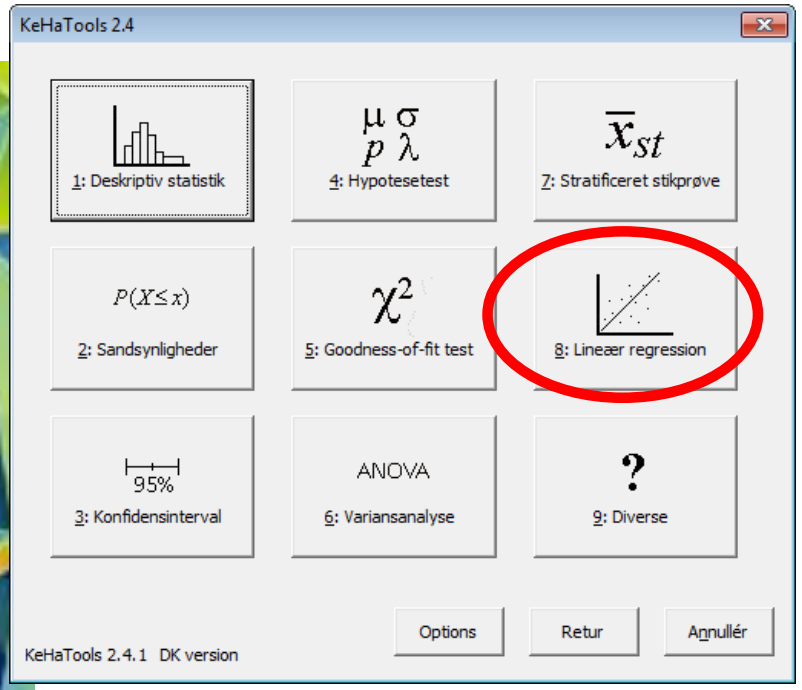


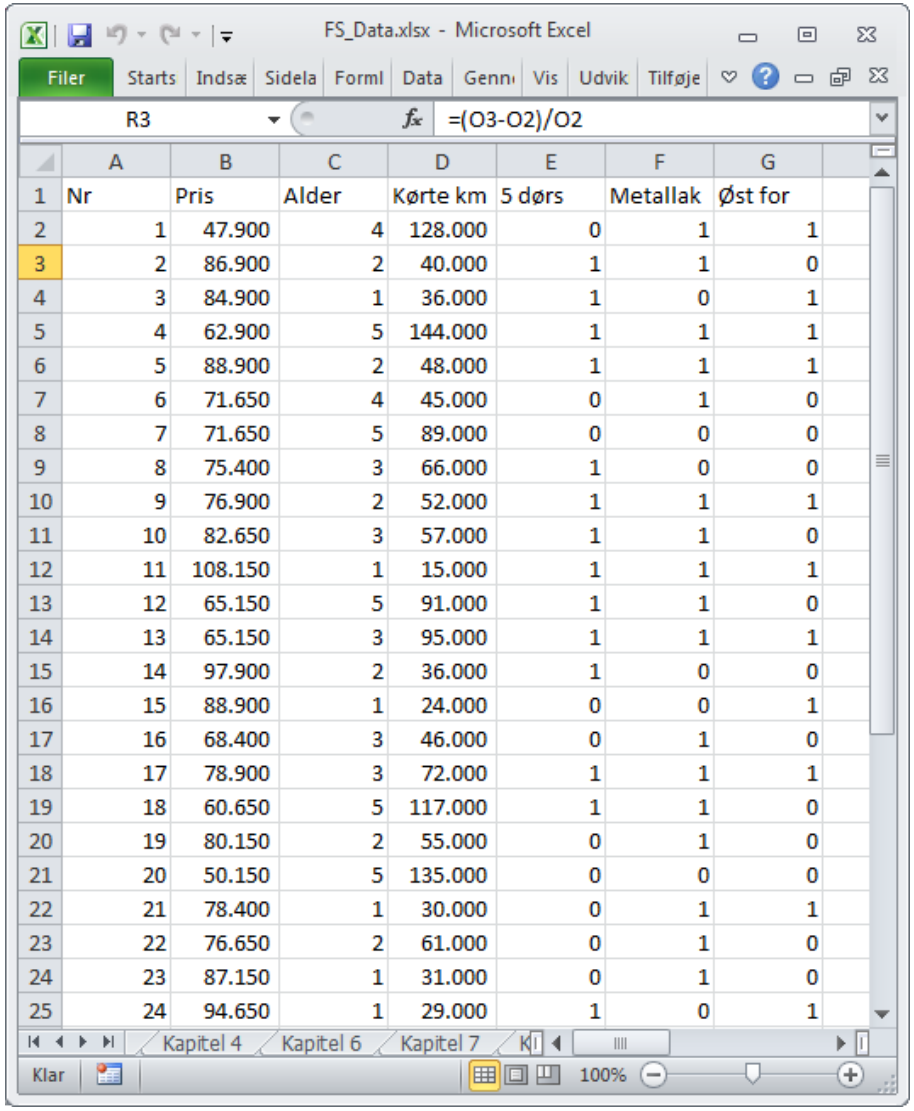
Videregående Statistik og KeHaTools Kapitel 6:

Multipel lineær regression

Oversigt

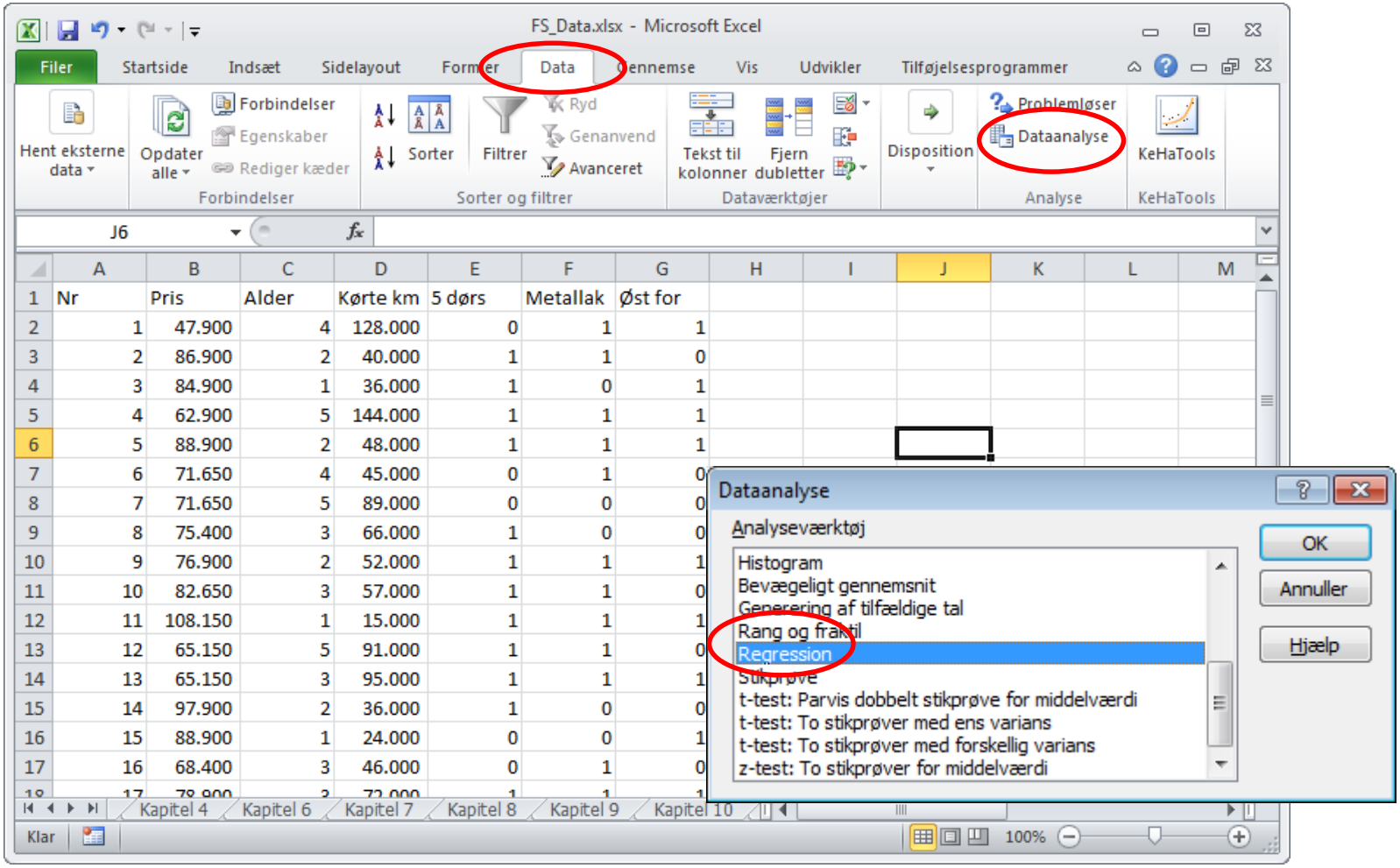
- Kapitel 6.2 multipel lineær regression

Multipel lineær regression - I



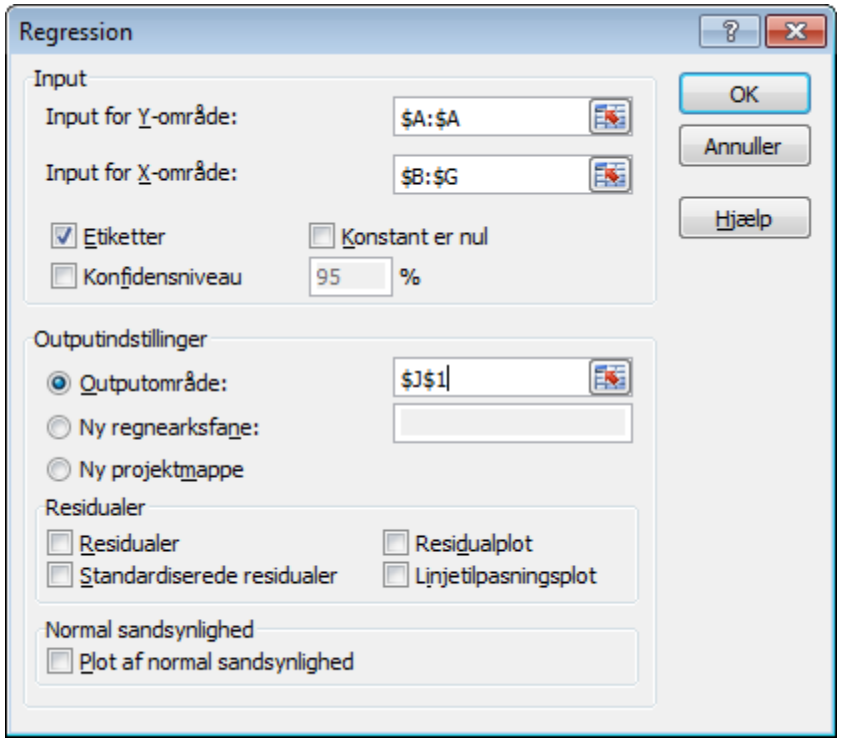
	A	B	C	D	E	F	G
1	Nr	Pris	Alder	Kørte km	5 dørs	Metallak	Øst for
2	1	47.900	4	128.000	0	1	1
3	2	86.900	2	40.000	1	1	0
4	3	84.900	1	36.000	1	0	1
5	4	62.900	5	144.000	1	1	1
6	5	88.900	2	48.000	1	1	1
7	6	71.650	4	45.000	0	1	0
8	7	71.650	5	89.000	0	0	0
9	8	75.400	3	66.000	1	0	0
10	9	76.900	2	52.000	1	1	1
11	10	82.650	3	57.000	1	1	0
12	11	108.150	1	15.000	1	1	1
13	12	65.150	5	91.000	1	1	0
14	13	65.150	3	95.000	1	1	1
15	14	97.900	2	36.000	1	0	0
16	15	88.900	1	24.000	0	0	1
17	16	68.400	3	46.000	0	1	0
18	17	78.900	3	72.000	1	1	1
19	18	60.650	5	117.000	1	1	0
20	19	80.150	2	55.000	0	1	0
21	20	50.150	5	135.000	0	0	0
22	21	78.400	1	30.000	0	1	1
23	22	76.650	2	61.000	0	1	0
24	23	87.150	1	31.000	0	1	0
25	24	94.650	1	29.000	1	0	1

Multipel lineær regression - II

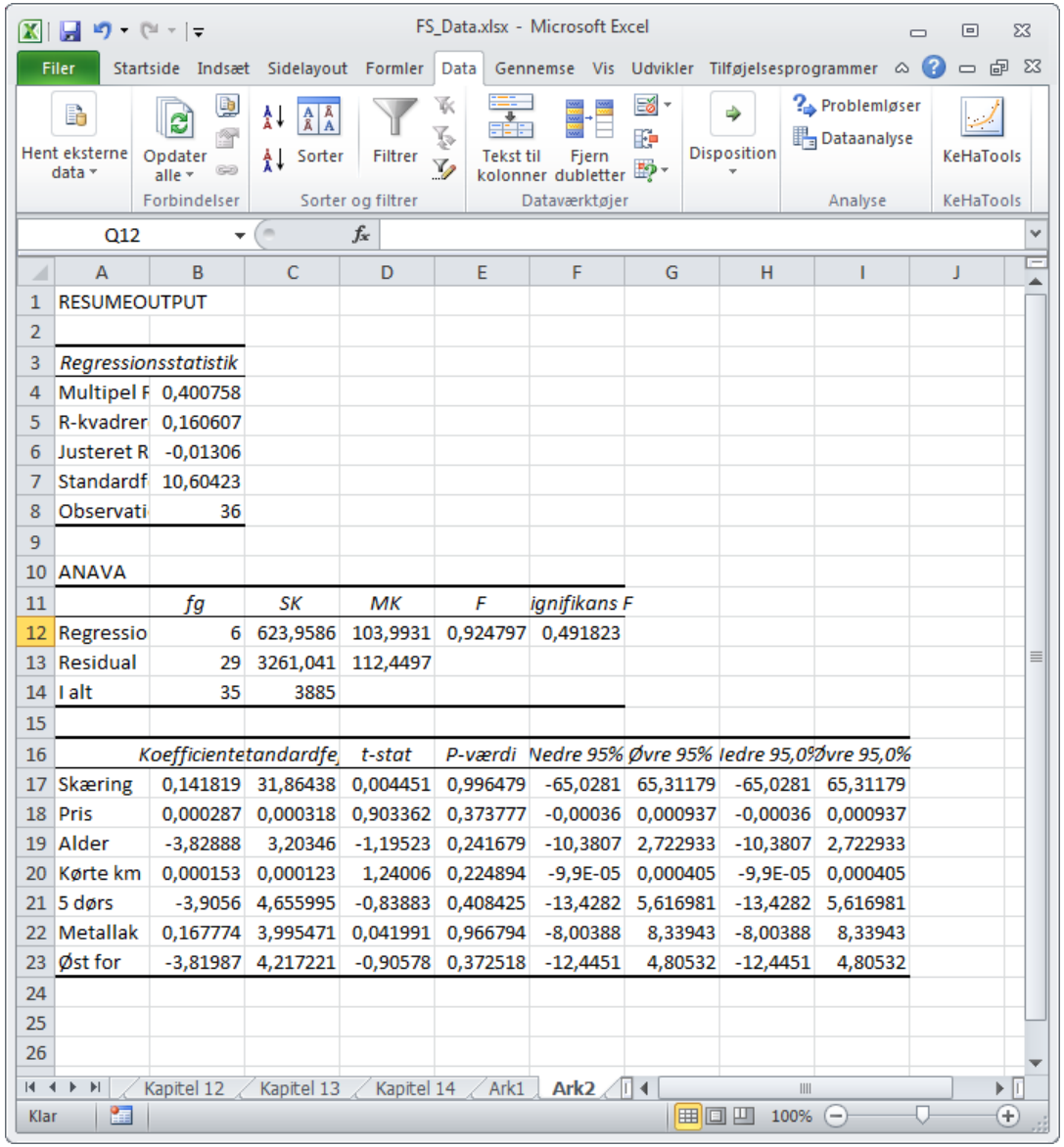


	A	B	C	D	E	F	G
1	Nr	Pris	Alder	Kørte km	5 døre	Metallak	Øst for
2	1	47.900	4	128.000	0	1	1
3	2	86.900	2	40.000	1	1	0
4	3	84.900	1	36.000	1	0	1
5	4	62.900	5	144.000	1	1	1
6	5	88.900	2	48.000	1	1	1
7	6	71.650	4	45.000	0	1	0
8	7	71.650	5	89.000	0	0	0
9	8	75.400	3	66.000	1	0	0
10	9	76.900	2	52.000	1	1	1
11	10	82.650	3	57.000	1	1	0
12	11	108.150	1	15.000	1	1	1
13	12	65.150	5	91.000	1	1	0
14	13	65.150	3	95.000	1	1	1
15	14	97.900	2	36.000	1	0	0
16	15	88.900	1	24.000	0	0	1
17	16	68.400	3	46.000	0	1	0

Multipel lineær regression - III



Multipel lineær regression - IV



	A	B	C	D	E	F	G	H	I	J
1	RESUMEOUTPUT									
2										
3	*Regressionsstatistik*									
4	Multipel F	0,400758								
5	R-kvadrer	0,160607								
6	Justeret R	-0,01306								
7	Standardf	10,60423								
8	Observati	36								
9										
10	ANAVA									
11		*fg*	*SK*	*MK*	*F*	*ignifikans F*				
12	Regressio	6	623,9586	103,9931	0,924797	0,491823				
13	Residual	29	3261,041	112,4497						
14	I alt	35	3885							
15										
16		*Koefficient*	*tandardfe*	*t-stat*	*P-værdi*	*Nedre 95%*	*Øvre 95%*	*Iedre 95,0%*	*Øvre 95,0%*	
17	Skæring	0,141819	31,86438	0,004451	0,996479	-65,0281	65,31179	-65,0281	65,31179	
18	Pris	0,000287	0,000318	0,903362	0,373777	-0,00036	0,000937	-0,00036	0,000937	
19	Alder	-3,82888	3,20346	-1,19523	0,241679	-10,3807	2,722933	-10,3807	2,722933	
20	Kørte km	0,000153	0,000123	1,24006	0,224894	-9,9E-05	0,000405	-9,9E-05	0,000405	
21	5 døre	-3,9056	4,655995	-0,83883	0,408425	-13,4282	5,616981	-13,4282	5,616981	
22	Metallak	0,167774	3,995471	0,041991	0,966794	-8,00388	8,33943	-8,00388	8,33943	
23	Øst for	-3,81987	4,217221	-0,90578	0,372518	-12,4451	4,80532	-12,4451	4,80532	
24										
25										
26										