```sas
title 'UDD - Alle variable';

proc logistic data=kge.regression outest=betas descending;
class     koen_txt(ref='Kvinde') herkomst(ref='Dansker')
          eksamen2(ref='STX') kargp(ref='høj') kvote(ref='Kvote 1')
          studieskift (ref='første') sabbat1(ref='1 år')
          far_udd(ref='Lang videregående') mor_udd(ref='Lang videregående')
          alder(ref='17-22')hoved1(ref='SAM') kot_kvo091_gr (ref='mellem')
          region(ref='Hovedstaden') sammeregion1(ref='Ja');

model     kombi_udd= koen_txt herkomst eksamen2 kargp  kvote studieskift
          sabbat1 alder far_udd mor_udd hoved1 kot_kvo091_gr region
          sammeregion1 / selection=backward lackfit rsq;

output out=pred p=phat lower=lcl upper=ucl
predprob=(individual crossvalidate);

run;
```

UDD - Alle variable

The LOGISTIC Procedure

Model Information

Data Set   KGE.REGRESSION
Response Variable   kombi_udd
Number of Response Levels   2
Model   binary logit
Optimization Technique   Fisher's scoring

Number of Observations Read   29163
Number of Observations Used   6410

Response Profile

Ordered Value	kombi_udd	Total Frequency
1	1	2633
2	0	3777

Probability modeled is kombi_udd=1.

NOTE: 22753 observations were deleted due to missing values for the response or explanatory
variables.

(Note Karen: ALLE STEPS UDGÅR)

Model Fit Statistics

R-Square   0.0836   Max-rescaled R-Square   0.1127

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	559.6540	24	<.0001

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-0.3657	0.1126	10.5556	0.0012
herkomst	Efterkommer	1	0.0382	0.0756	0.2556	0.6131
herkomst	Indvandrer	1	-0.2149	0.0695	9.5715	0.0020
kargp	Ukendt	1	-0.0453	0.0914	0.2457	0.6201
kargp	lav	1	-0.3100	0.0657	22.2733	<.0001
kargp	mellem	1	-0.0299	0.0465	0.4131	0.5204
kvote	Kvote 2	1	0.1895	0.0366	26.8784	<.0001
studieskift	skift	1	0.2758	0.0649	18.0502	<.0001
sabbat1	2 år	1	-0.3553	0.0852	17.3969	<.0001

sabbat1	Direkte	1	0.1907	0.0839	5.1717	0.0230
sabbat1	Mere end 2	1	0.3308	0.0897	13.5908	0.0002
sabbat1	Ukendt	1	-0.0667	0.2499	0.0712	0.7896
alder	22-25	1	-0.1284	0.0598	4.6073	0.0318
alder	26+	1	0.2212	0.0679	10.6055	0.0011
hoved1	HUM	1	-0.2970	0.0696	18.2238	<.0001
hoved1	NAT	1	0.3870	0.0847	20.8809	<.0001
hoved1	SUND	1	0.6783	0.0743	83.2391	<.0001
hoved1	TEK	1	-1.1287	0.1689	44.6550	<.0001
kot_kvo091_gr	høj	1	0.0316	0.0614	0.2659	0.6061
kot_kvo091_gr	ingen	1	-0.3312	0.0651	25.8942	<.0001
kot_kvo091_gr	lav	1	0.1941	0.1162	2.7904	0.0948
region	Midtjylland	1	-0.0550	0.0513	1.1470	0.2842
region	Nordjylland	1	-0.0316	0.0757	0.1744	0.6763
region	Sjælland	1	0.0431	0.0679	0.4030	0.5256
region	Syddanmark	1	0.1574	0.0526	8.9700	0.0027

Odds Ratio Estimates

Effect		Point Estimate	95% Wald Confidence Limits	
herkomst	Efterkommer vs Dansker	0.871	0.701	1.081
herkomst	Indvandrer vs Dansker	0.676	0.558	0.818
kargp	Ukendt vs høj	0.650	0.502	0.842
kargp	lav vs høj	0.499	0.412	0.605
kargp	mellem vs høj	0.660	0.580	0.752
kvote	Kvote 2 vs Kvote 1	1.461	1.266	1.686
studieskift	skift vs første	1.736	1.346	2.239
sabbat1	2 år vs 1 år	0.774	0.668	0.898
sabbat1	Direkte vs 1 år	1.337	1.154	1.548
sabbat1	Mere end 2 vs 1 år	1.538	1.254	1.887
sabbat1	Ukendt vs 1 år	1.033	0.553	1.932
alder	22-25 vs 17-22	0.965	0.790	1.180
alder	26+ vs 17-22	1.369	1.089	1.721
hoved1	HUM vs SAM	0.518	0.447	0.601
hoved1	NAT vs SAM	1.027	0.845	1.248
hoved1	SUND vs SAM	1.374	1.187	1.592
hoved1	TEK vs SAM	0.226	0.149	0.342
kot_kvo091_gr	høj vs mellem	0.929	0.802	1.076
kot_kvo091_gr	ingen vs mellem	0.646	0.550	0.758
kot_kvo091_gr	lav vs mellem	1.093	0.800	1.493
region	Midtjylland vs Hovedstaden	1.061	0.921	1.222
region	Nordjylland vs Hovedstaden	1.086	0.888	1.327
region	Sjælland vs Hovedstaden	1.170	0.977	1.402
region	Syddanmark vs Hovedstaden	1.312	1.134	1.517

Association of Predicted Probabilities and Observed Responses

Percent Concordant	66.9	Somers' D	0.342
Percent Discordant	32.7	Gamma	0.344
Percent Tied	0.5	Tau-a	0.166
Pairs	9944841	c	0.671