

# ACP: record nazionali corsa

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## The CORR Procedure

8 Variables: a100m a200m a400m a800m a1500m a5K a10K Marat

## Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
a100m	55	10.47109	0.35143	575.91000	9.93000	12.18000
a200m	55	20.94036	0.64465	1152	19.72000	23.20000
a400m	55	46.43873	1.45702	2554	43.86000	52.94000
a800m	55	1.79327	0.06368	98.63000	1.70000	2.02000
a1500m	55	3.69818	0.15591	203.40000	3.51000	4.24000
a5K	55	13.84582	0.80116	761.52000	13.01000	16.70000
a10K	55	28.98909	1.80773	1594	27.38000	35.38000
Marat	55	136.62400	9.22703	7514	128.22000	164.70000

Pearson Correlation Coefficients, N = 55  
 Prob > |r| under H0: Rho=0

	a100m	a200m	a400m	a800m	a1500m	a5K	a10K	Marat
a100m	1.00000	0.92264	0.84115	0.75603	0.70024	0.61946	0.63254	0.51995
a200m	0.92264	1.00000	0.85073	0.80663	0.77495	0.69538	0.69654	0.59618
a400m	0.84115	0.85073	1.00000	0.87017	0.83527	0.77861	0.78720	0.70499
a800m	0.75603	0.80663	0.87017	1.00000	0.91804	0.86359	0.86905	0.80648
a1500m	0.70024	0.77495	0.83527	0.91804	1.00000	0.92811	0.93470	0.86555
a5K	0.61946	0.69538	0.77861	0.86359	0.92811	1.00000	0.97464	0.93219
a10K	0.63254	0.69654	0.78720	0.86905	0.93470	0.97464	1.00000	0.94318
Marat	0.51995	0.59618	0.70499	0.80648	0.86555	0.93219	0.94318	1.00000

The FACTOR Procedure  
Initial Factor Method: Principal Components

Eigenvalues of the Correlation Matrix: Total = 8    Average = 1

	Eigenvalue	Difference	Proportion	Cumulative
1	6.62214613	5.74452784	0.8278	0.8278
2	0.87761829	0.71829715	0.1097	0.9375
3	0.15932114	0.03527176	0.0199	0.9574
4	0.12404939	0.04416911	0.0155	0.9729
5	0.07988027	0.01191512	0.0100	0.9829
6	0.06796515	0.02154562	0.0085	0.9914
7	0.04641953	0.02381943	0.0058	0.9972
8	0.02260010		0.0028	1.0000

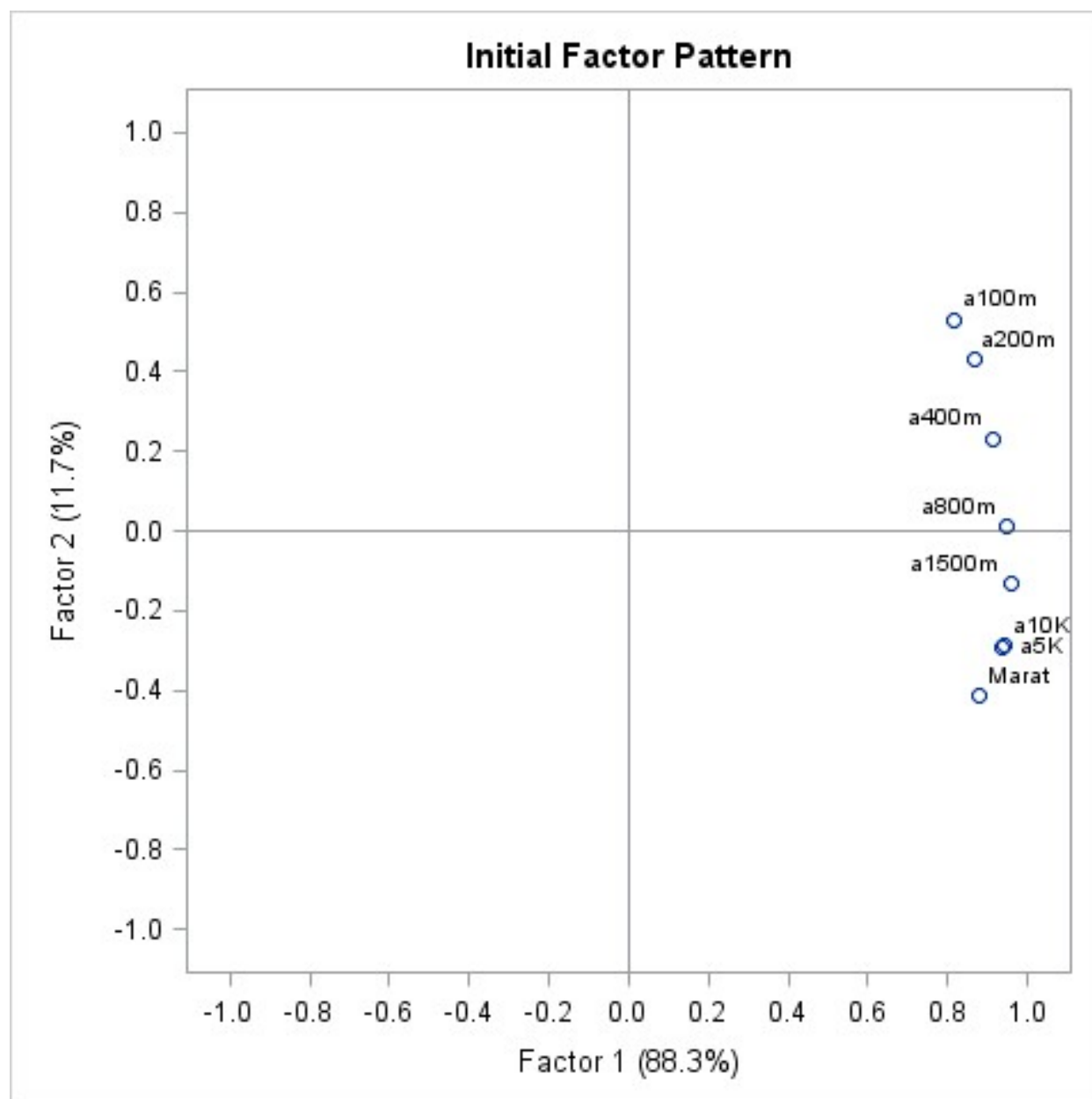
2 factors will be retained by the NFACTOR criterion.

## Factor Pattern

	Factor1	Factor2
a100m	0.81718	0.53106
a200m	0.86717	0.43246
a400m	0.91520	0.23259
a800m	0.94875	0.01164
a1500m	0.95937	-0.13096
a5K	0.93766	-0.29231
a10K	0.94384	-0.28747
Marat	0.87990	-0.41123

## Variance Explained by Each Factor

Factor1	Factor2
6.6221461	0.8776183



Final Communalities Estimates: Total = 7.499764 (two factors)

a100m	a200m	a400m	a800m
0.94981400	0.93899688	0.89168928	0.90027067
a1500m	a5K	a10K	Marat
0.93754485	0.96466000	0.97346426	0.94332449

Final Communalities Estimates: Total = 6.622146 (one factor)

a100m	a200m	a400m	a800m
0.66779127	0.75197777	0.83759320	0.90013508
a1500m	a5K	a10K	Marat
0.92039346	0.87921244	0.89082512	0.77421778

## Factor1 scores

1	USA	-1.33311
2	UK	-1.17521
3	Italy	-1.05969
4	USSR	-1.02079
5	E_German	-1.00650
6	W_German	-0.99199
7	Australi	-0.95066
8	France	-0.84400
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48	Guatemal	1.03850
49	Indonesi	1.06779
50	Thailand	1.07324
51	Singapor	1.21325
52	Papua_Ne	1.51910
53	Mauritiu	1.65491
54	W_Samoa	2.81004
55	Cook_Isl	4.10190