

## AN ENTREPRENEUR

Strongly agree = 1  
Agree = 2  
Somewhat agree = 3  
Disagree = 4  
Strongly disagree = 5

### **Positive attitude (PA)**

Overall future will be good.  
My colleagues are good  
My health will be good in future.  
I can change the world

### **Profit motive (PM)**

I can gain huge from innovation  
Profit is certain  
Profit is my incentive behind my innovation activities

### **Sharing research (SR)**

Sharing with others provides good result  
Sharing leaks out privacy  
Sharing provides motivation.

### **Research facility (RF)**

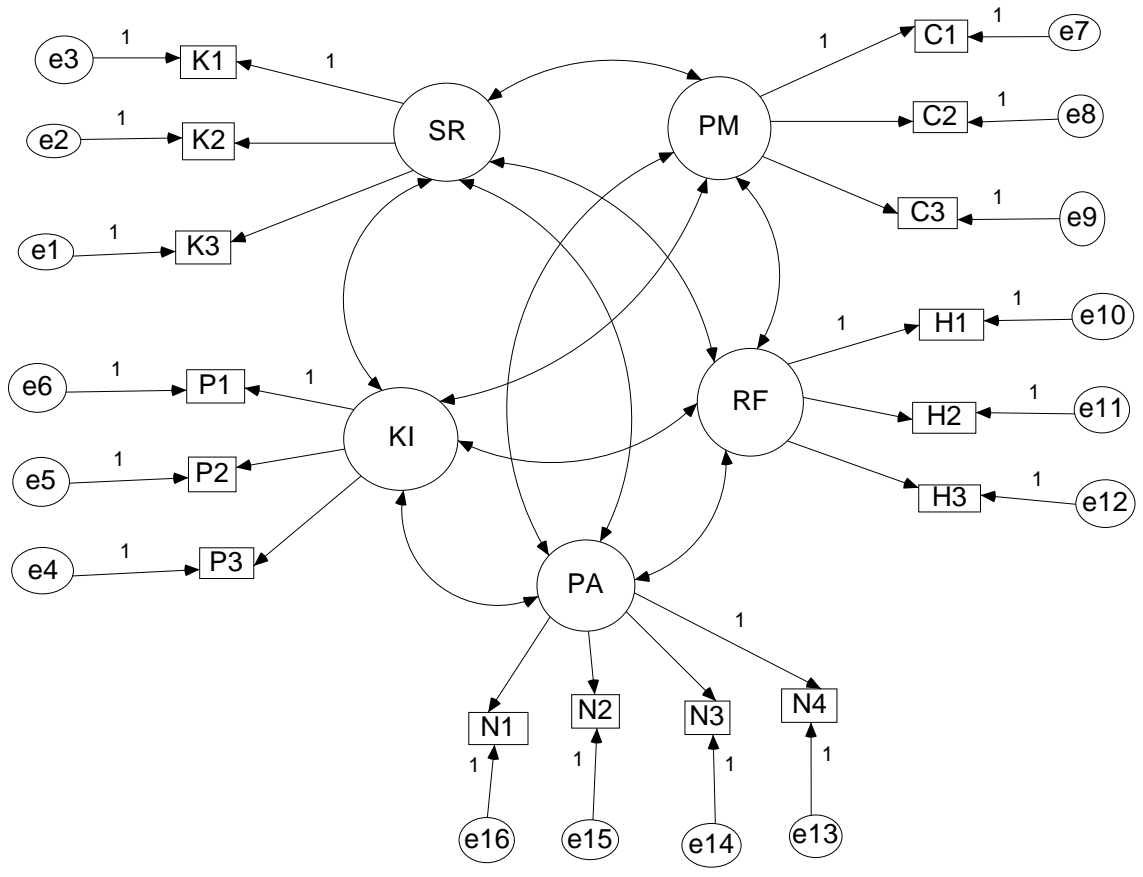
Enough equipments are needed  
Environment needs to be friendly for research  
Conducive Govt. policy is needed.

### **Knowledge institution (KI)**

Should be independent  
Number of knowledge workers should be high  
Flexible office hour is needed for good research

**NOW SEE THE DATA IN SPSS**

# ENTREPRENEUR MODEL 1



## **INTRODUCING MODEL**

**Your model contains the following variables (Group number 1)**

### **Observed, endogenous variables**

K1  
K2  
K3  
C1  
C2  
C3  
P1  
P2  
P3  
H1  
H2  
H3  
N1  
N2  
N3  
N4

### **Unobserved, exogenous variables**

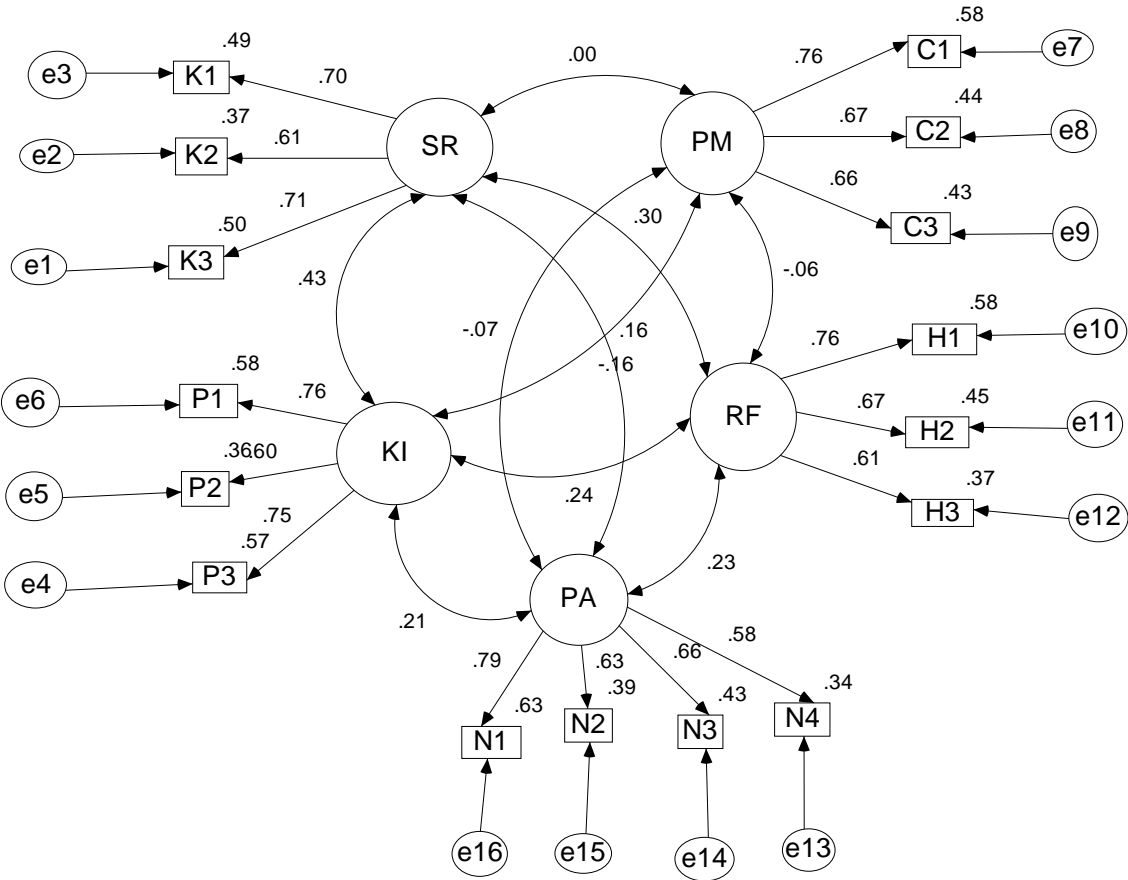
SR  
e3  
e2  
e1  
e7  
e8  
e9  
e6  
e5  
e4  
e10  
e11  
e12  
PM  
RF  
KI

e16  
e15  
e14  
e13  
PA

**Variable counts (Group number 1)**

Number of variables in your model:	37
Number of observed variables:	16
Number of unobserved variables:	21
Number of exogenous variables:	21
Number of endogenous variables:	16

STANDARDIZE ESTIMATE



**Standardized Regression Weights: (Group number 1 - Default model)**

	Estimate
K1 <--- SR	.697
K2 <--- SR	.609
K3 <--- SR	.706
N1 <--- PA	.794
N2 <--- PA	.628
N3 <--- PA	.655
N4 <--- PA	.584
C1 <--- PM	.762
C2 <--- PM	.667
C3 <--- PM	.657
P1 <--- KI	.760
P2 <--- KI	.598
P3 <--- KI	.753
H1 <--- RF	.760
H2 <--- RF	.672
H3 <--- RF	.612

**Correlations: (Group number 1 - Default model)**

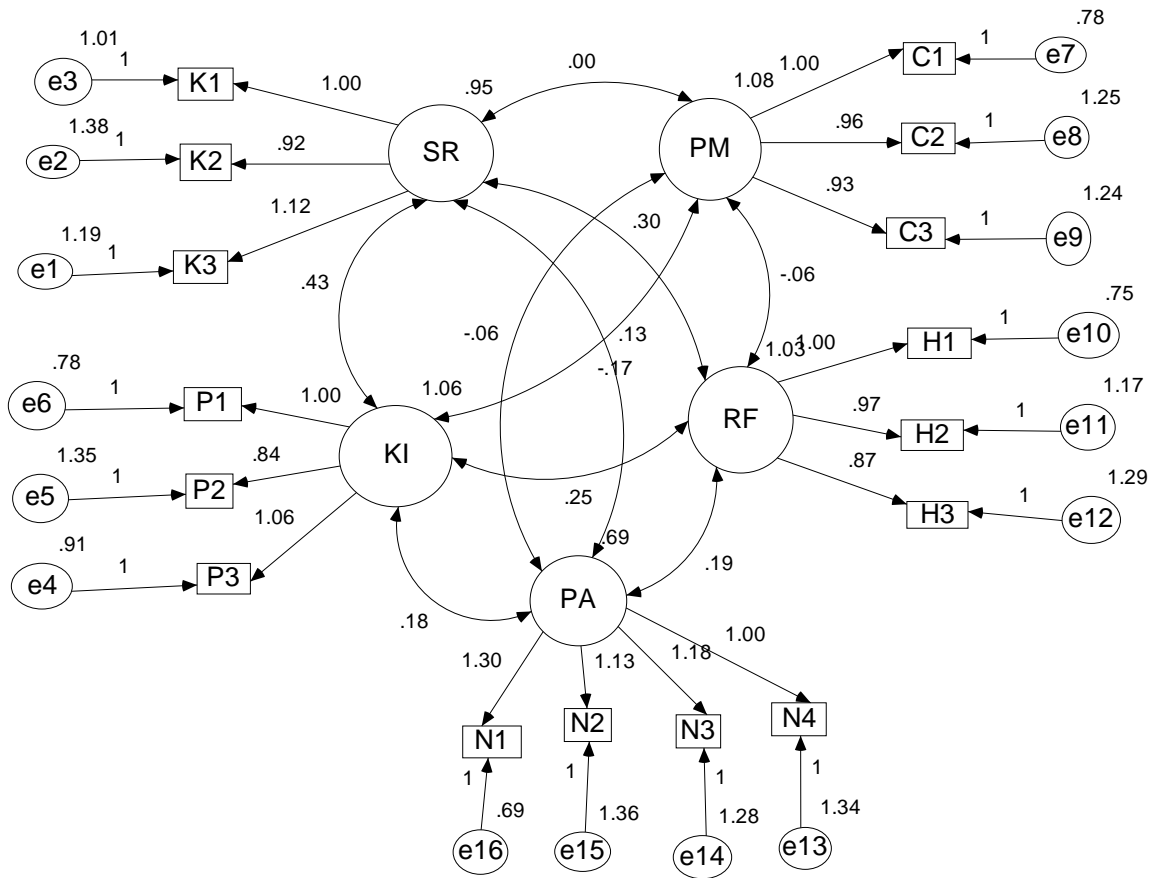
	Estimate
SR <--> PM	.000
PM <--> RF	-.059
SR <--> KI	.429
SR <--> RF	.300
RF <--> PA	.231
SR <--> PA	.160
PM <--> PA	-.069
RF <--> KI	.242
KI <--> PA	.205
PM <--> KI	-.161

**Squared Multiple Correlations: (Group number 1 - Default model)**

	Estimate
N4	.341
N3	.429
N2	.394
N1	.630
H3	.374
H2	.451
H1	.577
P3	.568
P2	.357
P1	.578
C3	.431
C2	.445
C1	.581
K3	.499
K2	.371
K1	.486

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## UN-STANDARDIZED ESTIMATES



**Regression Weights: (Group number 1 - Default model)**

	Estimate	S.E.	C.R.	P	Label
K1 <--- SR	1.000				
K2 <--- SR	.924	.103	8.957	***	par_1
K3 <--- SR	1.117	.120	9.326	***	par_2
N1 <--- PA	1.300	.131	9.926	***	par_7
N2 <--- PA	1.131	.125	9.079	***	par_8
N3 <--- PA	1.180	.127	9.316	***	par_9
N4 <--- PA	1.000				
C1 <--- PM	1.000				
C2 <--- PM	.961	.102	9.435	***	par_13
C3 <--- PM	.934	.099	9.410	***	par_14
P1 <--- KI	1.000				
P2 <--- KI	.841	.085	9.842	***	par_15
P3 <--- KI	1.059	.098	10.804	***	par_16
H1 <--- RF	1.000				
H2 <--- RF	.968	.104	9.286	***	par_17
H3 <--- RF	.866	.096	9.036	***	par_18

**Covariances: (Group number 1 - Default model)**

	Estimate	S.E.	C.R.	P	Label
SR <--> PM	.000	.069	.004	.997	par_3
PM <--> RF	-.062	.071	-.865	.387	par_4
SR <--> KI	.432	.079	5.487	***	par_5
SR <--> RF	.297	.073	4.048	***	par_6
RF <--> PA	.195	.059	3.289	.001	par_10
SR <--> PA	.130	.056	2.312	.021	par_11
PM <--> PA	-.060	.057	-1.045	.296	par_12
RF <--> KI	.253	.073	3.471	***	par_19
KI <--> PA	.176	.059	3.009	.003	par_20
PM <--> KI	-.172	.072	-2.375	.018	par_21

**Variances: (Group number 1 - Default model)**

	Estimate	S.E.	C.R.	P	Label
SR	.953	.149	6.404	***	par_22
PM	1.078	.155	6.944	***	par_23
RF	1.027	.149	6.892	***	par_24
KI	1.063	.145	7.356	***	par_25
PA	.693	.123	5.634	***	par_26
e3	1.007	.114	8.811	***	par_27
e2	1.376	.126	10.906	***	par_28
e1	1.194	.140	8.555	***	par_29
e7	.779	.114	6.856	***	par_30
e8	1.245	.128	9.758	***	par_31
e9	1.242	.124	10.028	***	par_32
e6	.777	.100	7.783	***	par_33
e5	1.353	.115	11.727	***	par_34
e4	.909	.114	8.000	***	par_35
e10	.753	.110	6.875	***	par_36
e11	1.171	.123	9.493	***	par_37
e12	1.288	.118	10.915	***	par_38
e16	.687	.095	7.243	***	par_39
e15	1.365	.119	11.438	***	par_40
e14	1.284	.117	10.974	***	par_41
e13	1.341	.111	12.026	***	par_42

## MODEL FITTING

### CMIN

Model	NPAR	CMIN	DF	P	CMIN/DF
Default model	42	<b>151.869</b>	94	<b>.000</b>	<b>1.616</b>
Saturated model	136	.000	0		
Independence model	16	1623.062	120	.000	13.526

### RMR, GFI

Model	RMR	GFI	AGFI	PGFI
Default model	.090	<b>.956</b>	<b>.936</b>	.661
Saturated model	.000	1.000		
Independence model	.408	.602	.549	.531

### RMSEA

Model	RMSEA	LO 90	HI 90	PCLOSE
Default model	<b>.039</b>	.027	.050	.942
Independence model	.177	.170	.185	.000

### AIC

Model	AIC	BCC	BIC	CAIC
Default model	<b>235.869</b>	239.607	403.510	445.510
Saturated model	272.000	284.105	814.839	950.839
Independence model	1655.062	1656.486	1718.925	1734.925

**Prepared by:**

Sayed Hossain  
Senior Lecturer of Economics  
Faculty of Management  
Multimedia University, 63100 Cyberjaya  
Malaysia  
Email: [sayed.hossain@yahoo.com](mailto:sayed.hossain@yahoo.com)  
Personal website: <http://www.sayedhossain.com>

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