

1 **Supplementary File 2**

2 **Indexes computed based on Principal Component Analysis (PCA)**

- 3 ▪ *Benin's index of education quality*

4 **Table 7: Eigenvalues**

Component	Eigenvalue	Difference	Proportion	Cumulative
Comp1	1.551	.738	0.517	0.517
Comp2	.812	.177	0.271	0.788
Comp3	.635	.	0.211	1.000

5

6 **Table 8: Eigenvector**

Variable	Comp1	Comp2	Comp3	Unexplained
E1	0.614	-0.324	-0.719	0
E2	0.607	-0.387	0.693	0
E3	0.503	0.863	0.040	0

7 Note: For the definition of E1, E2 and E3, see table 1.

8

- 9 ▪ *The host country's index of education quality*

10 **Table 9: Eigenvalues**

Component	Eigenvalue	Difference	Proportion	Cumulative
Comp1	1.829	1.0852	0.609	0.609
Comp2	.744	.3182	0.248	0.858
Comp3	.426	.	0.142	1.000

11

12 **Table 10: Eigenvector**

Variable	Comp1	Comp2	Comp3	Unexplained
E1	0.627	-0.260	-0.733	
E2	0.606	-0.428	0.670	
E3	0.489	0.865	0.110	

13 Note: For the definition of E1, E2 and E3, see table 1.

- 14 ▪ *Benin's index of institution quality*

15 **Table 11: Eigenvalues**

Component	Eigenvalue	Difference	Proportion	Cumulative
Comp1	1.731	.657	0.346	0.346
Comp2	1.074	.120	0.214	0.561
Comp3	.954	.286	0.190	0.752
Comp4	.667	.096	0.133	0.885
Comp5	.571	.	0.114	1.000

16

17 **Table 12:** Eigenvector

Variable	Comp1	Comp2	Comp3	Unexplained
I1	0.573	0.275	0.061	.345
I2	0.560	-0.235	0.153	.373
I3	0.179	0.798	-0.423	.087
I4	-0.182	0.452	0.865	.007
I5	0.539	-0.161	0.208	.426

18 Note: For the definition of I1 to I5, see table 1.

19 ▪ *The host country's index of institution quality*

20 **Table 13:** Eigenvalues

Component	Eigenvalue	Difference	Proportion	Cumulative
Comp1	2.117	1.112	0.423	0.423
Comp2	1.004	.245	0.200	0.624
Comp3	.758	.161	0.151	0.776
Comp4	.597	.073	0.119	0.895
Comp5	.523	.	0.104	1.000

21

22 **Table 14:** Eigenvector

Variable	Comp1	Comp2	Comp3	Unexplained
I1	0.470	0.022	0.720	.136
I2	0.539	-0.063	0.217	.344
I3	0.486	0.067	-0.509	.297
I4	0.008	0.994	0.018	.0056
I5	0.500	-0.033	-0.416	.3361

23 Note: For the definition of I1 to I5, see table 1.

24

25 *Benin's index of education quality = principal component 1*

26 *Host country's index of education quality = principal component 1*

27 *Benin's index of institution quality = 0.34*principal component1 +0.21 principal component2*

28 *Host country's index of institution quality = 0.42*principal component1 +0.20 principal component2*

29

30