

Appendix I. Indonesia provincial table of TFR, proximate determinants, and socioeconomic

Islands	Provinces	TFR	Age at		Reproductive Period	Breastfeeding Period	Postpartum Amenorhea	Current use			Level of Education	Child		Working Status	
			Age at First Marriage	End of Childbearing				Contraception	Birth Interval	Wealth Index		Urban-Rural Residence	Mortality Rate		Contraceptive Knowledge
			years	years				percentage	months	percentage		percentage	percentage		percentage
Sumatera	DI Aceh	3.1	20.2	30.7	10.5	19.7	4.3	47.4	49.0	20.0	7.3	20.02	21	96.0	52.7
	North Sumatera	3.8	22.1	31.7	9.6	18.6	5.1	54.2	31.7	32.3	8.6	42.90	22	95.7	62.9
	West Sumatera	3.4	20.6	31.9	11.3	20.1	3.1	59.9	48.3	26.4	8.1	28.39	16	99.3	66.9
	Riau	2.7	20.7	30.8	10.1	19.3	2.4	56.7	50.8	41.6	8.0	35.45	11	97.2	48.2
	Jambi	2.8	19.1	29.9	10.8	24.2	3.5	65.2	68.9	30.5	5.8	24.17	9	99.2	60.1
	South Sumatera	2.7	19.3	30.2	10.9	22.3	2.4	64.8	51.5	23.6	5.7	33.68	11	99.0	68.7
	Bengkulu	2.4	19.3	29.8	10.5	19.5	4.2	74.0	62.3	29.6	6.3	28.76	20	99.6	80.7
	Lampung	2.5	19.0	30.3	11.3	19.1	3.1	71.1	66.1	27.2	5.8	23.41	13	99.6	69.7
	Bangka Belitung Riau Islands	2.5 3.1	20.4 21.8	29.5 30.0	9.1 8.2	4.2 3.9	3.1 2.2	67.8 57.6	56.5 52.1	44.7 55.4	5.6 8.2	39.42 80.11	8 16	99.2 98.8	45.9 36.9
Java	DKI Jakarta	2.1	22.5	30.2	7.7	19.7	2.4	60.1	56.3	88.3	8.8	100.00	9	99.9	49.2
	West Java	2.6	18.8	29.8	11.0	21.0	2.6	61.1	66.3	55.3	5.8	50.21	10	99.9	40.1
	Central Java	2.3	19.6	29.0	9.4	23.6	2.7	63.7	66.0	38.5	5.7	42.00	6	99.4	63.4
	DI Yogyakarta	1.8	22.0	29.4	7.4	22.6	3.9	66.9	61.5	52.6	8.7	60.15	3	100.0	71.9
	East Java	2.1	18.8	28.1	9.3	17.9	2.8	66.1	70.3	41.2	5.6	41.49	10	98.5	66.3
	Banten	2.6	18.8	31.1	12.3	21.9	3.3	57.4	58.8	51.2	5.7	58.40	13	99.4	43.9
Bali and Nusa Tenggara	Bali	2.1	21.3	27.2	5.9	22.8	2.1	69.4	57.1	62.4	6.0	51.15	4	99.5	75.5
	West Nusa Tenggara	2.8	19.9	28.3	8.4	19.3	4.6	54.8	55.3	27.9	5.6	35.28	21	98.1	57.4
	East Nusa Tenggara	4.2	21.7	32.2	10.5	18.8	5.6	42.1	36.8	9.1	5.6	15.24	24	90.0	68.8
Kalimantan	West Kalimantan	2.8	20.1	28.5	8.4	31.0	3.4	62.7	50.8	23.1	5.6	28.25	14	97.1	64.0
	Central Kalimantan	3.0	19.4	28.5	9.1	16.0	2.7	66.5	57.5	13.9	6.6	23.55	4	100.0	57.2
	South Kalimantan	2.6	18.7	30.3	11.6	23.4	2.2	64.4	58.7	18.4	5.8	35.09	19	99.3	61.7
	East Kalimantan	2.7	20.4	29.3	8.9	18.6	2.8	59.2	49.7	32.7	8.2	53.29	12	99.2	50.8
Sulawesi	North Sulawesi	2.8	21.0	28.9	7.9	18.1	2.2	69.3	58.3	29.6	8.7	35.78	9	99.7	40.0
	Central Sulawesi	3.3	20.0	29.4	9.4	22.6	4.6	63.6	46.8	17.5	5.8	20.16	10	99.7	60.8
	South Sulawesi	2.8	20.5	30.5	10.0	22.1	3.8	53.4	42.6	22.9	5.9	30.31	12	97.1	44.4
	Southeast Sulawesi	3.3	19.6	30.7	11.1	21.5	5.3	50.7	37.3	21.0	7.8	25.19	21	97.5	57.2
	Gorontalo	2.6	20.6	27.2	6.6	22.9	3.6	60.1	49.7	23.4	5.8	30.40	18	99.7	42.7
	West Sulawesi	3.5	19.4	30.2	10.8	18.4	4.3	45.4	37.7	14.1	5.8	17.53	25	97.3	58.1
Maluku and Papua	Maluku	3.9	22.2	32.0	9.8	23.0	4.3	34.1	34.2	21.7	8.1	28.31	37	93.1	45.3
	North Maluku	3.2	20.0	30.0	10.0	13.0	5.0	48.8	42.7	22.0	6.5	21.14	24	97.2	51.4
	Papua	3.4	19.6	30.2	10.6	20.7	3.1	38.3	42.6	32.6	4.0	31.78	25	85.1	71.9
	West Papua	2.9	20.5	30.2	9.7	14.5	2.2	39.6	32.4	12.6	8.2	15.47	26	93.2	42.5
	National	2.6	19.8	29.8	10	20.7	3.1	61.4	54.6	40	5.8	42.7	10	98.6	57.3

Note: The National level for child mortality rate is for 5 years preceding the survey

Source: IDHS (2008)

Appendix II. SPSS script for age at end of childbearing frequency table

```
* WEIGHTING ALL OBSERVATION.
WEIGHT
  BY AWFAC TT .

* CALCULATING AGE OF THE MOTHER AT THE LATEST BORN CHILD.
COMPUTE End_Rep=B3S01-V011.
EXECUTE.
COMPUTE Age_End_Rep=TRUNC((End_Rep-1)/12).
EXECUTE.

* VALID IF ONLY GAVE A BORN DURING MARRIAGE.
* V501 = Marital Status - V501 = 1 currently married -.
* BORDS01 = Child Ever Born - BORDS01 > 0, at least have 1 children -.
* V605 = Desire for More Children - 5 = no more children; 6 = sterilized -

USE ALL.
COMPUTE filter_$=((V501<>0) & (BORDS01>0) & (V605>4) & (V605<7)).
VARIABLE LABEL filter_$ 'VALID CASE'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .

* TABULATING MEDIAN AGE END OF CHILDBEARING PER PROVINCE.
TABLES
  /FORMAT ZERO MISSING('.') /TABLES
  V024 > Age_End_Rep BY
  (LABELS) > (STATISTICS)
  /STATISTICS COUNT ((F5.0) 'Count' ) .

FREQUENCIES
  VARIABLES=Age_End_Rep
  /ORDER= ANALYSIS .
```

Appendix III. Twenty two steps exclusion to obtain simplified model

Step 1

Relationship	Original Sample	Sample Mean	Standard Deviation	T Statistics	p-value
	(O)	(M)	(STDEV)	((O/STERR))	
Birth Interval -> TFR	-0.742	-0.744	0.073	10.242	0.00
Current Use of Contraception -> Birth Interval	0.715	0.710	0.100	7.117	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.849	0.118	7.087	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.761	0.121	6.152	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.588	0.580	0.129	4.581	0.00
Education -> Age at First Marriage	0.651	0.602	0.160	4.060	0.00
Reproductive Period -> TFR	0.302	0.292	0.092	3.274	0.00
Child Mortality -> Current Use of Contraception	-0.384	-0.391	0.158	2.436	0.02
Working Status -> Current Use of Contraception	0.273	0.270	0.114	2.404	0.02
Contraceptive Knowledge -> Age at First Marriage	-0.428	-0.469	0.214	1.997	0.05
Working Status -> Breast Feeding	0.341	0.322	0.182	1.872	0.06
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.200	0.122	1.618	0.11
Education -> Age at End of Childbearing	0.316	0.334	0.219	1.447	0.15
Education -> Current Use of Contraception	-0.085	-0.067	0.098	0.876	0.38
Child Mortality -> Age at End of Childbearing	0.224	0.197	0.301	0.745	0.46
Current Use of Contraception -> Age at End of Childbearing	-0.306	-0.283	0.419	0.730	0.47
Breast Feeding -> Postpartum Amenorrhea	0.110	0.104	0.157	0.701	0.48
Residence -> Age at First Marriage	0.228	0.251	0.327	0.698	0.49
Working Status -> Age at End of Childbearing	0.141	0.139	0.247	0.568	0.57
Education -> Breast Feeding	-0.078	-0.110	0.195	0.403	0.69
Contraceptive Knowledge -> Breast Feeding	0.079	0.061	0.200	0.396	0.69
Child Mortality -> Age at First Marriage	-0.050	-0.077	0.175	0.286	0.77
Working Status -> Age at First Marriage	0.044	0.017	0.158	0.277	0.78
Contraceptive Knowledge -> Age at End of Childbearing	-0.068	-0.108	0.360	0.189	0.85
Wealth Index -> Age at First Marriage	0.067	0.056	0.370	0.181	0.86
Residence -> Breast Feeding	-0.069	0.050	0.620	0.111	0.91
Residence -> Current Use of Contraception	0.016	0.001	0.177	0.093	0.93
Wealth Index -> Breast Feeding	-0.046	-0.166	0.551	0.083	0.93
Residence -> Age at End of Childbearing	-0.033	-0.086	0.407	0.082	0.93
Wealth Index -> Age at End of Childbearing	0.028	0.075	0.452	0.061	0.95
Child Mortality -> Breast Feeding	-0.009	-0.034	0.269	0.034	0.97
Wealth Index -> Current Use of Contraception	-0.003	0.000	0.173	0.015	0.99

Step 2

Relationship	Original Sample	Sample Mean	Standard Deviation	T Statistics	p-value
	(O)	(M)	(STDEV)	((O/STERR))	
Birth Interval -> TFR	-0.742	-0.740	0.073	10.155	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.842	0.107	7.796	0.00
Current Use of Contraception -> Birth Interval	0.715	0.708	0.103	6.928	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.757	0.111	6.699	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.589	0.585	0.122	4.815	0.00
Education -> Age at First Marriage	0.651	0.608	0.164	3.978	0.00
Reproductive Period -> TFR	0.302	0.299	0.094	3.205	0.00
Child Mortality -> Current Use of Contraception	-0.384	-0.385	0.143	2.694	0.01
Working Status -> Current Use of Contraception	0.273	0.269	0.113	2.418	0.02
Contraceptive Knowledge -> Age at First Marriage	-0.428	-0.459	0.211	2.030	0.04
Working Status -> Breast Feeding	0.341	0.320	0.168	2.026	0.04
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.205	0.123	1.612	0.11
Education -> Age at End of Childbearing	0.316	0.340	0.225	1.405	0.16
Education -> Current Use of Contraception	-0.085	-0.072	0.103	0.826	0.41
Child Mortality -> Age at End of Childbearing	0.224	0.178	0.293	0.766	0.44
Current Use of Contraception -> Age at End of Childbearing	-0.306	-0.306	0.417	0.733	0.46
Breast Feeding -> Postpartum Amenorrhea	0.110	0.100	0.150	0.733	0.46
Residence -> Age at First Marriage	0.228	0.274	0.335	0.682	0.50
Working Status -> Age at End of Childbearing	0.141	0.140	0.258	0.545	0.59
Education -> Breast Feeding	-0.078	-0.116	0.181	0.433	0.67
Contraceptive Knowledge -> Breast Feeding	0.079	0.056	0.207	0.382	0.70
Child Mortality -> Age at First Marriage	-0.050	-0.075	0.180	0.278	0.78
Working Status -> Age at First Marriage	0.044	0.026	0.158	0.277	0.78
Contraceptive Knowledge -> Age at End of Childbearing	-0.068	-0.099	0.353	0.192	0.85
Wealth Index -> Age at First Marriage	0.067	0.029	0.367	0.182	0.86
Residence -> Current Use of Contraception	0.014	0.005	0.094	0.150	0.88
Residence -> Breast Feeding	-0.069	0.063	0.654	0.105	0.92
Wealth Index -> Breast Feeding	-0.046	-0.179	0.583	0.079	0.94
Residence -> Age at End of Childbearing	-0.033	-0.092	0.439	0.076	0.94
Wealth Index -> Age at End of Childbearing	0.028	0.081	0.471	0.059	0.95
Child Mortality -> Breast Feeding	-0.009	-0.045	0.285	0.032	0.97

Appendix III. Continued...

Step 3

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.741	0.074	10.055	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.836	0.103	8.111	0.00
Current Use of Contraception -> Birth Interval	0.715	0.709	0.105	6.800	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.749	0.109	6.797	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.589	0.585	0.127	4.630	0.00
Education -> Age at First Marriage	0.651	0.612	0.158	4.122	0.00
Reproductive Period -> TFR	0.302	0.300	0.095	3.166	0.00
Child Mortality -> Current Use of Contraception	-0.384	-0.385	0.143	2.683	0.01
Working Status -> Current Use of Contraception	0.273	0.273	0.115	2.368	0.02
Contraceptive Knowledge -> Age at First Marriage	-0.428	-0.461	0.210	2.037	0.04
Working Status -> Breast Feeding	0.342	0.317	0.170	2.009	0.04
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.201	0.126	1.573	0.12
Education -> Age at End of Childbearing	0.316	0.342	0.217	1.455	0.15
Education -> Current Use of Contraception	-0.085	-0.072	0.095	0.893	0.37
Child Mortality -> Age at End of Childbearing	0.224	0.203	0.292	0.766	0.44
Current Use of Contraception -> Age at End of Childbearing	-0.306	-0.300	0.408	0.749	0.45
Residence -> Age at First Marriage	0.228	0.245	0.314	0.727	0.47
Breast Feeding -> Postpartum Amenorrhea	0.110	0.098	0.159	0.692	0.49
Working Status -> Age at End of Childbearing	0.141	0.145	0.266	0.529	0.60
Contraceptive Knowledge -> Breast Feeding	0.085	0.073	0.161	0.524	0.60
Education -> Breast Feeding	-0.080	-0.130	0.195	0.409	0.68
Child Mortality -> Age at First Marriage	-0.050	-0.073	0.178	0.281	0.78
Working Status -> Age at First Marriage	0.044	0.034	0.155	0.281	0.78
Contraceptive Knowledge -> Age at End of Childbearing	-0.068	-0.080	0.350	0.194	0.85
Wealth Index -> Age at First Marriage	0.067	0.064	0.346	0.193	0.85
Residence -> Current Use of Contraception	0.014	0.005	0.092	0.153	0.88
Residence -> Breast Feeding	-0.070	0.038	0.635	0.110	0.91
Residence -> Age at End of Childbearing	-0.033	-0.093	0.443	0.076	0.94
Wealth Index -> Breast Feeding	-0.041	-0.116	0.551	0.075	0.94
Wealth Index -> Age at End of Childbearing	0.028	0.078	0.475	0.058	0.95

Step 4

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.742	0.073	10.122	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.844	0.104	8.019	0.00
Current Use of Contraception -> Birth Interval	0.715	0.707	0.104	6.864	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.753	0.113	6.558	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.589	0.585	0.128	4.606	0.00
Education -> Age at First Marriage	0.651	0.607	0.160	4.064	0.00
Reproductive Period -> TFR	0.302	0.296	0.093	3.243	0.00
Child Mortality -> Current Use of Contraception	-0.384	-0.379	0.150	2.561	0.01
Working Status -> Current Use of Contraception	0.273	0.275	0.116	2.366	0.02
Contraceptive Knowledge -> Age at First Marriage	-0.428	-0.469	0.208	2.055	0.04
Working Status -> Breast Feeding	0.342	0.323	0.169	2.027	0.04
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.205	0.126	1.576	0.12
Education -> Age at End of Childbearing	0.314	0.326	0.207	1.520	0.13
Education -> Current Use of Contraception	-0.085	-0.073	0.096	0.885	0.38
Current Use of Contraception -> Age at End of Childbearing	-0.306	-0.269	0.400	0.765	0.44
Child Mortality -> Age at End of Childbearing	0.219	0.204	0.291	0.755	0.45
Residence -> Age at First Marriage	0.228	0.257	0.313	0.728	0.47
Breast Feeding -> Postpartum Amenorrhea	0.110	0.095	0.153	0.715	0.47
Working Status -> Age at End of Childbearing	0.142	0.116	0.251	0.563	0.57
Contraceptive Knowledge -> Breast Feeding	0.085	0.076	0.158	0.537	0.59
Education -> Breast Feeding	-0.080	-0.115	0.190	0.420	0.67
Child Mortality -> Age at First Marriage	-0.050	-0.077	0.170	0.295	0.77
Working Status -> Age at First Marriage	0.044	0.029	0.154	0.284	0.78
Contraceptive Knowledge -> Age at End of Childbearing	-0.070	-0.105	0.347	0.201	0.84
Wealth Index -> Age at First Marriage	0.067	0.047	0.362	0.185	0.85
Residence -> Current Use of Contraception	0.014	0.012	0.092	0.153	0.88
Residence -> Breast Feeding	-0.070	0.029	0.616	0.113	0.91
Wealth Index -> Breast Feeding	-0.041	-0.117	0.536	0.077	0.94
Residence -> Age at End of Childbearing	-0.009	-0.020	0.187	0.047	0.96

Appendix III. Continued...

Step 5

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.739	0.072	10.268	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.837	0.110	7.578	0.00
Current Use of Contraception -> Birth Interval	0.715	0.709	0.103	6.956	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.755	0.116	6.395	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.589	0.590	0.129	4.576	0.00
Education -> Age at First Marriage	0.651	0.610	0.160	4.066	0.00
Reproductive Period -> TFR	0.302	0.299	0.092	3.286	0.00
Child Mortality -> Current Use of Contraception	-0.384	-0.377	0.144	2.665	0.01
Working Status -> Current Use of Contraception	0.273	0.274	0.111	2.472	0.01
Working Status -> Breast Feeding	0.342	0.329	0.166	2.058	0.04
Contraceptive Knowledge -> Age at First Marriage	-0.428	-0.462	0.213	2.013	0.04
Education -> Age at End of Childbearing	0.312	0.299	0.172	1.813	0.07
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.205	0.123	1.612	0.11
Education -> Current Use of Contraception	-0.085	-0.076	0.099	0.863	0.39
Current Use of Contraception -> Age at End of Childbearing	-0.307	-0.305	0.370	0.830	0.41
Child Mortality -> Age at End of Childbearing	0.223	0.218	0.296	0.753	0.45
Residence -> Age at First Marriage	0.228	0.250	0.321	0.711	0.48
Breast Feeding -> Postpartum Amenorrhea	0.110	0.103	0.157	0.699	0.48
Working Status -> Age at End of Childbearing	0.143	0.125	0.226	0.634	0.53
Contraceptive Knowledge -> Breast Feeding	0.085	0.072	0.153	0.554	0.58
Education -> Breast Feeding	-0.080	-0.111	0.186	0.429	0.67
Working Status -> Age at First Marriage	0.044	0.026	0.154	0.283	0.78
Child Mortality -> Age at First Marriage	-0.050	-0.084	0.178	0.281	0.78
Contraceptive Knowledge -> Age at End of Childbearing	-0.069	-0.068	0.312	0.221	0.83
Wealth Index -> Age at First Marriage	0.067	0.056	0.351	0.190	0.85
Residence -> Current Use of Contraception	0.014	0.013	0.094	0.149	0.88
Residence -> Breast Feeding	-0.070	0.016	0.623	0.112	0.91
Wealth Index -> Breast Feeding	-0.041	-0.113	0.537	0.077	0.94

Step 6

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.741	0.073	10.154	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.844	0.106	7.879	0.00
Current Use of Contraception -> Birth Interval	0.715	0.705	0.104	6.891	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.755	0.113	6.602	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.589	0.587	0.130	4.542	0.00
Education -> Age at First Marriage	0.651	0.607	0.164	3.979	0.00
Reproductive Period -> TFR	0.302	0.295	0.099	3.050	0.00
Child Mortality -> Current Use of Contraception	-0.384	-0.390	0.146	2.631	0.01
Working Status -> Current Use of Contraception	0.273	0.265	0.116	2.360	0.02
Working Status -> Breast Feeding	0.340	0.328	0.162	2.094	0.04
Contraceptive Knowledge -> Age at First Marriage	-0.428	-0.469	0.211	2.025	0.04
Education -> Age at End of Childbearing	0.312	0.313	0.160	1.943	0.05
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.202	0.124	1.598	0.11
Education -> Current Use of Contraception	-0.085	-0.071	0.099	0.865	0.39
Current Use of Contraception -> Age at End of Childbearing	-0.307	-0.300	0.362	0.846	0.40
Child Mortality -> Age at End of Childbearing	0.223	0.205	0.296	0.753	0.45
Breast Feeding -> Postpartum Amenorrhea	0.110	0.091	0.156	0.704	0.48
Residence -> Age at First Marriage	0.228	0.261	0.331	0.690	0.49
Working Status -> Age at End of Childbearing	0.143	0.133	0.216	0.662	0.51
Contraceptive Knowledge -> Breast Feeding	0.083	0.077	0.159	0.523	0.60
Residence -> Breast Feeding	-0.109	-0.069	0.225	0.484	0.63
Education -> Breast Feeding	-0.076	-0.108	0.202	0.376	0.71
Child Mortality -> Age at First Marriage	-0.050	-0.070	0.176	0.284	0.78
Working Status -> Age at First Marriage	0.044	0.035	0.160	0.273	0.79
Contraceptive Knowledge -> Age at End of Childbearing	-0.069	-0.089	0.298	0.231	0.82
Wealth Index -> Age at First Marriage	0.067	0.047	0.367	0.182	0.86
Residence -> Current Use of Contraception	0.014	0.007	0.090	0.156	0.88

Appendix III. Continued...

Step 7

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.737	0.076	9.820	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.840	0.104	8.025	0.00
Current Use of Contraception -> Birth Interval	0.715	0.716	0.098	7.277	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.749	0.117	6.350	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.588	0.584	0.121	4.866	0.00
Education -> Age at First Marriage	0.651	0.601	0.164	3.966	0.00
Reproductive Period -> TFR	0.302	0.301	0.095	3.181	0.00
Child Mortality -> Current Use of Contraception	-0.391	-0.383	0.130	2.998	0.00
Working Status -> Current Use of Contraception	0.271	0.269	0.104	2.612	0.01
Working Status -> Breast Feeding	0.340	0.324	0.157	2.159	0.03
Contraceptive Knowledge -> Age at First Marriage	-0.428	-0.464	0.209	2.052	0.04
Education -> Age at End of Childbearing	0.312	0.315	0.169	1.844	0.07
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.193	0.121	1.638	0.10
Education -> Current Use of Contraception	-0.081	-0.071	0.083	0.977	0.33
Current Use of Contraception -> Age at End of Childbearing	-0.307	-0.299	0.375	0.818	0.41
Child Mortality -> Age at End of Childbearing	0.223	0.215	0.288	0.773	0.44
Breast Feeding -> Postpartum Amenorrhea	0.110	0.099	0.146	0.754	0.45
Residence -> Age at First Marriage	0.228	0.259	0.350	0.653	0.51
Working Status -> Age at End of Childbearing	0.143	0.132	0.236	0.607	0.54
Contraceptive Knowledge -> Breast Feeding	0.083	0.063	0.162	0.513	0.61
Residence -> Breast Feeding	-0.109	-0.067	0.217	0.502	0.62
Education -> Breast Feeding	-0.076	-0.104	0.210	0.360	0.72
Child Mortality -> Age at First Marriage	-0.050	-0.073	0.175	0.285	0.78
Working Status -> Age at First Marriage	0.044	0.028	0.158	0.276	0.78
Contraceptive Knowledge -> Age at End of Childbearing	-0.069	-0.073	0.302	0.229	0.82
Wealth Index -> Age at First Marriage	0.067	0.057	0.382	0.175	0.86

Step 8

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.745	0.071	10.515	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.846	0.107	7.846	0.00
Current Use of Contraception -> Birth Interval	0.715	0.706	0.102	6.985	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.758	0.120	6.201	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.588	0.584	0.118	4.978	0.00
Education -> Age at First Marriage	0.647	0.605	0.160	4.046	0.00
Reproductive Period -> TFR	0.302	0.294	0.093	3.241	0.00
Child Mortality -> Current Use of Contraception	-0.391	-0.384	0.132	2.965	0.00
Working Status -> Current Use of Contraception	0.271	0.270	0.105	2.582	0.01
Contraceptive Knowledge -> Age at First Marriage	-0.432	-0.472	0.197	2.200	0.03
Working Status -> Breast Feeding	0.340	0.318	0.162	2.094	0.04
Education -> Age at End of Childbearing	0.312	0.319	0.176	1.773	0.08
Residence -> Age at First Marriage	0.288	0.297	0.172	1.670	0.10
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.205	0.122	1.625	0.10
Education -> Current Use of Contraception	-0.081	-0.070	0.081	0.996	0.32
Current Use of Contraception -> Age at End of Childbearing	-0.307	-0.295	0.362	0.848	0.40
Child Mortality -> Age at End of Childbearing	0.223	0.203	0.288	0.776	0.44
Breast Feeding -> Postpartum Amenorrhea	0.110	0.101	0.149	0.734	0.46
Working Status -> Age at End of Childbearing	0.143	0.140	0.220	0.651	0.51
Contraceptive Knowledge -> Breast Feeding	0.083	0.073	0.156	0.533	0.59
Residence -> Breast Feeding	-0.109	-0.084	0.219	0.497	0.62
Education -> Breast Feeding	-0.076	-0.113	0.200	0.378	0.71
Child Mortality -> Age at First Marriage	-0.061	-0.084	0.175	0.351	0.73
Working Status -> Age at First Marriage	0.046	0.037	0.151	0.303	0.76
Contraceptive Knowledge -> Age at End of Childbearing	-0.069	-0.085	0.298	0.231	0.82

Appendix III. Continued...

Step 9

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.746	0.069	10.716	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.842	0.109	7.644	0.00
Current Use of Contraception -> Birth Interval	0.715	0.705	0.100	7.172	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.756	0.113	6.569	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.588	0.591	0.123	4.770	0.00
Education -> Age at First Marriage	0.647	0.611	0.154	4.202	0.00
Reproductive Period -> TFR	0.302	0.298	0.094	3.222	0.00
Child Mortality -> Current Use of Contraception	-0.391	-0.382	0.130	3.015	0.00
Working Status -> Current Use of Contraception	0.271	0.275	0.106	2.564	0.01
Contraceptive Knowledge -> Age at First Marriage	-0.432	-0.469	0.200	2.164	0.03
Working Status -> Breast Feeding	0.340	0.315	0.161	2.107	0.04
Education -> Age at End of Childbearing	0.301	0.313	0.152	1.987	0.05
Residence -> Age at First Marriage	0.288	0.293	0.162	1.777	0.08
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.206	0.125	1.585	0.11
Current Use of Contraception -> Age at End of Childbearing	-0.373	-0.374	0.267	1.398	0.16
Education -> Current Use of Contraception	-0.081	-0.072	0.083	0.969	0.33
Child Mortality -> Age at End of Childbearing	0.218	0.205	0.280	0.777	0.44
Working Status -> Age at End of Childbearing	0.165	0.163	0.214	0.768	0.44
Breast Feeding -> Postpartum Amenorrhea	0.110	0.094	0.150	0.730	0.47
Contraceptive Knowledge -> Breast Feeding	0.083	0.072	0.163	0.510	0.61
Residence -> Breast Feeding	-0.109	-0.075	0.215	0.507	0.61
Education -> Breast Feeding	-0.076	-0.118	0.204	0.371	0.71
Child Mortality -> Age at First Marriage	-0.061	-0.084	0.168	0.365	0.72
Working Status -> Age at First Marriage	0.046	0.039	0.147	0.313	0.75

Step 10

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.741	0.078	9.575	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.840	0.107	7.798	0.00
Current Use of Contraception -> Birth Interval	0.715	0.710	0.101	7.102	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.750	0.116	6.423	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.588	0.584	0.116	5.060	0.00
Education -> Age at First Marriage	0.637	0.606	0.148	4.318	0.00
Reproductive Period -> TFR	0.302	0.296	0.095	3.166	0.00
Child Mortality -> Current Use of Contraception	-0.391	-0.389	0.127	3.079	0.00
Working Status -> Current Use of Contraception	0.271	0.269	0.106	2.557	0.01
Contraceptive Knowledge -> Age at First Marriage	-0.442	-0.478	0.190	2.326	0.02
Working Status -> Breast Feeding	0.340	0.323	0.160	2.117	0.03
Education -> Age at End of Childbearing	0.301	0.309	0.160	1.887	0.06
Residence -> Age at First Marriage	0.278	0.286	0.167	1.663	0.10
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.200	0.120	1.647	0.10
Current Use of Contraception -> Age at End of Childbearing	-0.373	-0.381	0.267	1.393	0.16
Education -> Current Use of Contraception	-0.081	-0.071	0.082	0.987	0.32
Working Status -> Age at End of Childbearing	0.165	0.158	0.210	0.783	0.43
Child Mortality -> Age at End of Childbearing	0.218	0.197	0.284	0.767	0.44
Breast Feeding -> Postpartum Amenorrhea	0.110	0.100	0.152	0.721	0.47
Contraceptive Knowledge -> Breast Feeding	0.083	0.079	0.161	0.516	0.61
Residence -> Breast Feeding	-0.109	-0.082	0.213	0.511	0.61
Child Mortality -> Age at First Marriage	-0.075	-0.108	0.173	0.436	0.66
Education -> Breast Feeding	-0.076	-0.118	0.200	0.378	0.71

Appendix III. Continued...

Step 11

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.744	0.074	10.077	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.847	0.112	7.474	0.00
Current Use of Contraception -> Birth Interval	0.715	0.706	0.101	7.080	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.760	0.117	6.333	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.588	0.583	0.119	4.961	0.00
Education -> Age at First Marriage	0.637	0.597	0.149	4.276	0.00
Reproductive Period -> TFR	0.302	0.293	0.098	3.083	0.00
Child Mortality -> Current Use of Contraception	-0.391	-0.392	0.132	2.956	0.00
Working Status -> Breast Feeding	0.359	0.339	0.135	2.661	0.01
Working Status -> Current Use of Contraception	0.271	0.267	0.103	2.640	0.01
Contraceptive Knowledge -> Age at First Marriage	-0.442	-0.480	0.203	2.182	0.03
Education -> Age at End of Childbearing	0.301	0.309	0.157	1.917	0.06
Residence -> Age at First Marriage	0.278	0.286	0.167	1.666	0.10
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.207	0.121	1.632	0.10
Current Use of Contraception -> Age at End of Childbearing	-0.373	-0.394	0.278	1.341	0.18
Education -> Current Use of Contraception	-0.081	-0.068	0.082	0.982	0.33
Working Status -> Age at End of Childbearing	0.165	0.171	0.218	0.756	0.45
Child Mortality -> Age at End of Childbearing	0.218	0.186	0.295	0.738	0.46
Breast Feeding -> Postpartum Amenorrhea	0.110	0.099	0.162	0.679	0.50
Residence -> Breast Feeding	-0.130	-0.119	0.208	0.622	0.53
Contraceptive Knowledge -> Breast Feeding	0.078	0.081	0.134	0.584	0.56
Child Mortality -> Age at First Marriage	-0.075	-0.101	0.174	0.434	0.66

Step 12

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.740	0.075	9.865	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.842	0.106	7.907	0.00
Current Use of Contraception -> Birth Interval	0.715	0.706	0.104	6.861	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.753	0.111	6.722	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.588	0.581	0.122	4.832	0.00
Education -> Age at First Marriage	0.619	0.588	0.148	4.180	0.00
Reproductive Period -> TFR	0.302	0.295	0.096	3.132	0.00
Child Mortality -> Current Use of Contraception	-0.391	-0.392	0.134	2.919	0.00
Working Status -> Breast Feeding	0.359	0.347	0.131	2.741	0.01
Contraceptive Knowledge -> Age at First Marriage	-0.397	-0.419	0.149	2.657	0.01
Working Status -> Current Use of Contraception	0.271	0.263	0.106	2.561	0.01
Education -> Age at End of Childbearing	0.301	0.305	0.162	1.861	0.06
Residence -> Age at First Marriage	0.300	0.317	0.167	1.802	0.07
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.200	0.127	1.554	0.12
Current Use of Contraception -> Age at End of Childbearing	-0.373	-0.383	0.279	1.334	0.18
Education -> Current Use of Contraception	-0.081	-0.067	0.084	0.966	0.33
Working Status -> Age at End of Childbearing	0.165	0.156	0.217	0.758	0.45
Child Mortality -> Age at End of Childbearing	0.218	0.198	0.292	0.745	0.46
Breast Feeding -> Postpartum Amenorrhea	0.110	0.101	0.151	0.726	0.47
Residence -> Breast Feeding	-0.130	-0.112	0.210	0.617	0.54
Contraceptive Knowledge -> Breast Feeding	0.078	0.080	0.129	0.606	0.54

Step 13

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.744	0.073	10.161	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.846	0.109	7.646	0.00
Current Use of Contraception -> Birth Interval	0.715	0.710	0.103	6.950	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.760	0.116	6.379	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.588	0.581	0.119	4.929	0.00
Education -> Age at First Marriage	0.619	0.591	0.149	4.144	0.00
Reproductive Period -> TFR	0.302	0.292	0.097	3.112	0.00
Child Mortality -> Current Use of Contraception	-0.391	-0.392	0.132	2.969	0.00
Working Status -> Breast Feeding	0.356	0.336	0.124	2.873	0.00
Contraceptive Knowledge -> Age at First Marriage	-0.397	-0.420	0.152	2.611	0.01
Working Status -> Current Use of Contraception	0.271	0.267	0.106	2.564	0.01
Education -> Age at End of Childbearing	0.301	0.313	0.160	1.880	0.06
Residence -> Age at First Marriage	0.300	0.318	0.161	1.862	0.06
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.199	0.123	1.608	0.11
Current Use of Contraception -> Age at End of Childbearing	-0.373	-0.377	0.256	1.455	0.15
Education -> Current Use of Contraception	-0.081	-0.069	0.084	0.965	0.33
Child Mortality -> Age at End of Childbearing	0.218	0.200	0.274	0.795	0.43
Working Status -> Age at End of Childbearing	0.165	0.159	0.213	0.774	0.44
Breast Feeding -> Postpartum Amenorrhea	0.110	0.096	0.153	0.718	0.47
Residence -> Breast Feeding	-0.105	-0.080	0.184	0.569	0.57

Appendix III. Continued...

Step 14

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.741	0.073	10.221	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.840	0.103	8.080	0.00
Current Use of Contraception -> Birth Interval	0.715	0.709	0.103	6.923	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.758	0.117	6.359	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.588	0.579	0.118	4.991	0.00
Education -> Age at First Marriage	0.619	0.591	0.145	4.269	0.00
Reproductive Period -> TFR	0.302	0.297	0.093	3.243	0.00
Child Mortality -> Current Use of Contraception	-0.391	-0.390	0.133	2.931	0.00
Working Status -> Breast Feeding	0.379	0.362	0.140	2.704	0.01
Contraceptive Knowledge -> Age at First Marriage	-0.397	-0.411	0.148	2.681	0.01
Working Status -> Current Use of Contraception	0.271	0.265	0.108	2.515	0.01
Residence -> Age at First Marriage	0.300	0.321	0.153	1.968	0.05
Education -> Age at End of Childbearing	0.301	0.309	0.162	1.864	0.06
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.204	0.124	1.603	0.11
Current Use of Contraception -> Age at End of Childbearing	-0.373	-0.373	0.271	1.375	0.17
Education -> Current Use of Contraception	-0.081	-0.069	0.080	1.013	0.31
Working Status -> Age at End of Childbearing	0.165	0.156	0.208	0.793	0.43
Child Mortality -> Age at End of Childbearing	0.218	0.208	0.281	0.776	0.44
Breast Feeding -> Postpartum Amenorrhea	0.110	0.095	0.155	0.709	0.48

Step 15

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.745	0.074	9.987	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.842	0.110	7.569	0.00
Current Use of Contraception -> Birth Interval	0.715	0.709	0.101	7.046	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.760	0.120	6.207	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.588	0.580	0.122	4.832	0.00
Education -> Age at First Marriage	0.619	0.590	0.150	4.132	0.00
Reproductive Period -> TFR	0.302	0.294	0.095	3.194	0.00
Child Mortality -> Current Use of Contraception	-0.391	-0.389	0.129	3.022	0.00
Working Status -> Breast Feeding	0.379	0.363	0.138	2.744	0.01
Contraceptive Knowledge -> Age at First Marriage	-0.397	-0.416	0.152	2.616	0.01
Working Status -> Current Use of Contraception	0.271	0.270	0.108	2.512	0.01
Education -> Age at End of Childbearing	0.301	0.301	0.147	2.056	0.04
Residence -> Age at First Marriage	0.300	0.309	0.164	1.830	0.07
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.206	0.116	1.705	0.09
Current Use of Contraception -> Age at End of Childbearing	-0.373	-0.375	0.277	1.343	0.18
Education -> Current Use of Contraception	-0.081	-0.071	0.083	0.977	0.33
Working Status -> Age at End of Childbearing	0.165	0.156	0.204	0.809	0.42
Child Mortality -> Age at End of Childbearing	0.218	0.206	0.296	0.735	0.46

Step 16

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.742	0.074	10.078	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.843	0.113	7.416	0.00
Current Use of Contraception -> Birth Interval	0.715	0.705	0.103	6.961	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.752	0.113	6.549	0.00
Current Use of Contraception -> Age at End of Childbearing	-0.555	-0.559	0.109	5.107	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.588	0.580	0.119	4.924	0.00
Education -> Age at First Marriage	0.619	0.583	0.148	4.193	0.00
Reproductive Period -> TFR	0.302	0.293	0.095	3.193	0.00
Child Mortality -> Current Use of Contraception	-0.391	-0.394	0.129	3.022	0.00
Contraceptive Knowledge -> Age at First Marriage	-0.397	-0.420	0.145	2.735	0.01
Working Status -> Breast Feeding	0.379	0.360	0.144	2.639	0.01
Working Status -> Current Use of Contraception	0.271	0.265	0.105	2.580	0.01
Education -> Age at End of Childbearing	0.304	0.302	0.153	1.994	0.05
Residence -> Age at First Marriage	0.300	0.317	0.162	1.860	0.06
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.208	0.123	1.604	0.11
Working Status -> Age at End of Childbearing	0.194	0.190	0.193	1.007	0.31
Education -> Current Use of Contraception	-0.081	-0.069	0.081	1.001	0.32

Appendix III. Continued...

Step 17

Relationship	Original Sample (O)	Sample Mean (M)	Standard Deviation (STDEV)	T Statistics (O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.738	0.073	10.171	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.842	0.106	7.904	0.00
Current Use of Contraception -> Birth Interval	0.715	0.713	0.098	7.306	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.759	0.117	6.352	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.566	0.559	0.110	5.135	0.00
Current Use of Contraception -> Age at End of Childbearing	-0.555	-0.551	0.112	4.942	0.00
Education -> Age at First Marriage	0.619	0.583	0.151	4.086	0.00
Child Mortality -> Current Use of Contraception	-0.405	-0.403	0.132	3.065	0.00
Reproductive Period -> TFR	0.302	0.301	0.100	3.018	0.00
Working Status -> Breast Feeding	0.379	0.367	0.134	2.828	0.00
Working Status -> Current Use of Contraception	0.294	0.281	0.108	2.711	0.01
Contraceptive Knowledge -> Age at First Marriage	-0.397	-0.420	0.151	2.620	0.01
Education -> Age at End of Childbearing	0.304	0.307	0.149	2.043	0.04
Residence -> Age at First Marriage	0.300	0.328	0.159	1.893	0.06
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.195	0.122	1.627	0.10
Working Status -> Age at End of Childbearing	0.194	0.191	0.190	1.023	0.31

Step 18

Relationship	Original Sample (O)	Sample Mean (M)	Standard Deviation (STDEV)	T Statistics (O/STERR)	p-value
Birth Interval -> TFR	-0.742	-0.739	0.072	10.382	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.847	0.112	7.460	0.00
Current Use of Contraception -> Birth Interval	0.715	0.709	0.100	7.182	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.760	0.117	6.361	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.566	0.563	0.107	5.293	0.00
Current Use of Contraception -> Age at End of Childbearing	-0.507	-0.501	0.119	4.269	0.00
Education -> Age at First Marriage	0.619	0.581	0.149	4.160	0.00
Reproductive Period -> TFR	0.302	0.295	0.093	3.260	0.00
Child Mortality -> Current Use of Contraception	-0.405	-0.401	0.128	3.166	0.00
Working Status -> Current Use of Contraception	0.294	0.282	0.102	2.879	0.00
Working Status -> Breast Feeding	0.379	0.367	0.135	2.813	0.01
Contraceptive Knowledge -> Age at First Marriage	-0.397	-0.419	0.153	2.597	0.01
Residence -> Age at First Marriage	0.300	0.322	0.161	1.867	0.06
Education -> Age at End of Childbearing	0.244	0.244	0.132	1.855	0.06
Postpartum Amenorrhea -> Birth Interval	-0.198	-0.201	0.123	1.610	0.11

Step 19

Relationship	Original Sample (O)	Sample Mean (M)	Standard Deviation (STDEV)	T Statistics (O/STERR)	p-value
Current Use of Contraception -> Birth Interval	0.795	0.795	0.051	15.495	0.00
Birth Interval -> TFR	-0.742	-0.738	0.076	9.710	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.844	0.117	7.168	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.759	0.119	6.233	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.566	0.560	0.110	5.168	0.00
Education -> Age at First Marriage	0.619	0.581	0.148	4.179	0.00
Current Use of Contraception -> Age at End of Childbearing	-0.507	-0.499	0.129	3.931	0.00
Reproductive Period -> TFR	0.302	0.299	0.095	3.169	0.00
Child Mortality -> Current Use of Contraception	-0.405	-0.397	0.134	3.029	0.00
Working Status -> Breast Feeding	0.379	0.365	0.136	2.787	0.01
Working Status -> Current Use of Contraception	0.294	0.284	0.110	2.678	0.01
Contraceptive Knowledge -> Age at First Marriage	-0.397	-0.407	0.151	2.627	0.01
Education -> Age at End of Childbearing	0.244	0.255	0.129	1.896	0.06
Residence -> Age at First Marriage	0.300	0.322	0.166	1.812	0.07

Step 20

Relationship	Original Sample (O)	Sample Mean (M)	Standard Deviation (STDEV)	T Statistics (O/STERR)	p-value
Current Use of Contraception -> Birth Interval	0.795	0.797	0.050	15.988	0.00
Birth Interval -> TFR	-0.742	-0.739	0.074	10.087	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.845	0.111	7.516	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.753	0.116	6.426	0.00
Education -> Age at First Marriage	0.710	0.696	0.123	5.760	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.566	0.568	0.103	5.489	0.00
Current Use of Contraception -> Age at End of Childbearing	-0.507	-0.503	0.124	4.096	0.00
Reproductive Period -> TFR	0.302	0.301	0.091	3.306	0.00
Child Mortality -> Current Use of Contraception	-0.405	-0.393	0.127	3.199	0.00
Working Status -> Current Use of Contraception	0.294	0.284	0.104	2.828	0.00
Working Status -> Breast Feeding	0.379	0.358	0.142	2.664	0.01
Education -> Age at End of Childbearing	0.244	0.243	0.122	2.001	0.05
Contraceptive Knowledge -> Age at First Marriage	-0.315	-0.313	0.164	1.922	0.05

Appendix III. Continued...

Step 21

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Current Use of Contraception -> Birth Interval	0.795	0.800	0.049	16.213	0.00
Birth Interval -> TFR	-0.742	-0.742	0.073	10.231	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.844	0.108	7.749	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.758	0.114	6.504	0.00
Education -> Age at First Marriage	0.652	0.645	0.105	6.197	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.566	0.562	0.106	5.328	0.00
Current Use of Contraception -> Age at End of Childbearing	-0.507	-0.505	0.126	4.028	0.00
Reproductive Period -> TFR	0.302	0.295	0.097	3.116	0.00
Child Mortality -> Current Use of Contraception	-0.405	-0.400	0.132	3.078	0.00
Working Status -> Current Use of Contraception	0.294	0.280	0.106	2.778	0.01
Working Status -> Breast Feeding	0.379	0.360	0.141	2.695	0.01
Education -> Age at End of Childbearing	0.244	0.243	0.127	1.929	0.05

Step 22

Relationship	Original	Sample	Standard	T Statistics	
	Sample (O)	Mean (M)	Deviation (STDEV)	(O/STERR)	p-value
Current Use of Contraception -> Birth Interval	0.795	0.796	0.050	15.820	0.00
Birth Interval -> TFR	-0.742	-0.742	0.071	10.417	0.00
Age at End of Childbearing -> Reproductive Period	0.835	0.841	0.107	7.810	0.00
Age at First Marriage -> Reproductive Period	-0.742	-0.756	0.113	6.554	0.00
Education -> Age at First Marriage	0.652	0.648	0.100	6.501	0.00
Contraceptive Knowledge -> Current Use of Contraception	0.566	0.566	0.101	5.612	0.00
Current Use of Contraception -> Age at End of Childbearing	-0.525	-0.522	0.112	4.708	0.00
Child Mortality -> Current Use of Contraception	-0.405	-0.395	0.127	3.201	0.00
Reproductive Period -> TFR	0.302	0.296	0.097	3.103	0.00
Working Status -> Current Use of Contraception	0.294	0.282	0.107	2.741	0.01
Working Status -> Breast Feeding	0.379	0.370	0.141	2.684	0.01

Appendix IV. Total effect matrix of socioeconomic and proximate determinants to TFR

	Age at End of Childbearing	Age at First Marriage	Birth Interval	Breast Feeding	Child Mortality	Contraceptive Knowledge	Current use of contraception	Education	Reproductive Period	TFR	Working Status
Age at End of Childbearing	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.835	0.252	0.000
Age at First Marriage	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.742	-0.224	0.000
Birth Interval	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.742	0.000
Breast Feeding	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Child Mortality	0.213	0.000	-0.322	0.000	0.000	0.000	-0.405	0.000	0.178	0.293	0.000
Contraceptive Knowledge	-0.297	0.000	0.450	0.000	0.000	0.000	0.566	0.000	-0.248	-0.409	0.000
Current use of contraception	-0.525	0.000	0.795	0.000	0.000	0.000	0.000	0.000	-0.438	-0.722	0.000
Education	0.000	0.652	0.000	0.000	0.000	0.000	0.000	0.000	-0.484	-0.146	0.000
Reproductive Period	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.302	0.000
TFR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Working Status	-0.154	0.000	0.233	0.379	0.000	0.000	0.294	0.000	-0.129	-0.212	0.000

Appendix V. Transforming beta coefficient of reproductive period and birth interval to unstandardize coefficient

The base equation to transform beta coefficient of reproductive period and birth interval to unstandardize coefficient could be obtain from TFR model. The equation is:

$$\text{TFR} = (0.302) \text{ Reproductive Period} + (-0.742) \text{ Birth Interval} \quad (1)$$

From this point forward, Reproductive Period is RP and Birth Interval is BI.

It should be remember that coefficient in this equation is still in beta coefficient. Therefore, to obtain unstandardize coefficient, the equation should be transformed using z-score transformation. The z-score transformation would be:

$$z = \frac{x - \bar{x}}{s}$$

Whereas:

- z is z-score
- x is value of observed variable
- \bar{x} is mean
- s is standard deviation

The mean for TFR, RP, and BI is 2.86, 9.64, and 51.72. The standard deviation for TFR, RP, and BI is 0.54, 1.48, and 10.81.

Process of transforming beta coefficient of reproductive period and birth interval to unstandardize coefficient could be done in sequential step as follow:

1. Substitute equation (1) with z-score:

$$(\text{TFR} - 2.86)/0.54 = (0.302) (\text{RP} - 9.64)/1.48 + (-0.742) (\text{BI} - 51.72)/10.81$$

2. Divide all beta coefficient with standard deviation:

$$(\text{TFR} - 2.86)/0.54 = (0.204) (\text{RP} - 9.64) + (-0.069) (\text{BI} - 51.72)$$

3. Multiply the beta coefficient with the variables and the mean:

$$(\text{TFR} - 2.86)/0.54 = (0.204 \text{ RP}) - 1.967 + (-0.069 \text{ BI}) + 3.569$$

$$(\text{TFR} - 2.86)/0.54 = 1.602 + 0.204 \text{ RP} + (-0.069) \text{ BI}$$

4. Multiply the equation with TFR standard deviation:

$$(\text{TFR} - 2.86) = 0.866 + 0.110 \text{ RP} + (-0.037) \text{ BI}$$

5. Add the TFR mean into the equation:

$$\text{TFR} = 0.866 + 0.110 \text{ RP} + (-0.037) \text{ BI} + 2.86$$

$$\text{TFR} = 3.726 + 0.110 \text{ RP} + (-0.037) \text{ BI}$$