Table 1. Bicorrelations of summated items

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | PCE | PSE | KSE | SOCIAL MEDIA | CIVIC |
| PCE | 1 |  |  |  |  |
| PSE | .301\*\* | 1 |  |  |  |
| KSE | .327\*\* | .556\*\* | 1 |  |  |
| SOCIALMEDIA | .096\*\* | .125\*\* | .198\*\* | 1 |  |
| CIVIC | .213\*\* | .282\*\* | .384\*\* | .349\*\* | 1 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). |

Table 2. Data-Model Fits for Comparing Theorized Model and Final Model (n=1587)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Model | χ2 | df | p | χ2/df | CFI | TLI | SRMR | RMSEA | Δ χ2 | Δ df |
| Theorized Modela | 66.492 | 1 | .000 |  | .940 | .403 | .0399 | .234 |  |  |
| Final Modelb | 22.861 | 2 | .352 |  | .940 | .801 | .0091 | .117 | 43.631 | 1 |

Note. a Theorized model is the model including all the nine paths hypothesized by theoretical assumptions.

bFinal model is the model without insignificant paths between PSE, PCE and social media use. Also, one path between KSE and civic engagement was included.

Political collective efficacy (PCE)

Social media use

Civic engagement

H3

H9

H4

H5

H7

H6

H2

H1

H8

Political self-efficacy

(PSE)

Knowledge sharing efficacy (KSE)

Figure 1. Theorized Research Model and Hypotheses

H1: Social media use is positively associated with their civic engagement behavior.

H2: PSE has a positive relationship with civic engagement.

H3: PSE and PCE have a positive association.

H4: PCE has a positive relationship with civic engagement.

H5: There is a positive relationship between PSE and social media use.

H6: There is a positive relationship between PCE and social media use.

H7: There is a positive relationship between KSE and social media use.

H8. There is a positive relationship between PSE and KSE.

H9. There is a positive relationship between PCE and KSE.

.010\*\*\*

Political collective efficacy (PCE)

.180\*\*\*

Civic engagement

.200\*\*\*

.200\*\*\*

.300\*\*\*

Social media use

Knowledge sharing efficacy (KSE)

.500\*\*\*

Political self-efficacy

(PSE)

.018\*

Figure 2. The results of hypothesis testing and Suggested Final model

\*\*\* *p* < .001

Appendix

Political self-efficacy (9 items)

How much would you say you agree with each of the following statements? Please select the answer that best represents your interest level in politics.

1. I consider myself to be well qualified to participate in politics.
2. Generally speaking, I feel that I have a pretty good understanding of the important political issues facing our country.
3. I feel that I can do as good a job in public office as most other people.
4. I think that I am better informed about politics and the government than most people.
5. Sometimes politics and government seem so complicated that a person like me can’t really understand what’s going on.
6. People like me don’t have any say about what the government does.
7. I don’t think public officials care much about what people like me think.
8. I believe having elections makes the government pay attention to what the people think.
9. I think the government pays attention to what people think when it decides what to do.

Political collective efficacy (11 items)

How much would you say you agree with each of the following statements? Choose an option that best represents your answer.

1. A dramatic change could occur in this country if people banded together and demanded change.
2. If enough people banded together and demanded change, politicians would take the steps to enact change.
3. Organized groups of citizens can have much impact on the political policies in this country.
4. Politicians would respond to the needs of citizens if enough people demanded change.
5. Politicians would listen to homeless and poor people if we pressured them to.
6. As people in this country, we can all band together in order to achieve political goals.
7. We are definitely able to accomplish something positive since we are a competent group of people.
8. As a people, we can cooperatively develop and carry out programs to benefit us all, even when difficulties arise.
9. We, as one people, are able to struggle together in order to achieve political goals.
10. Since we are all competent in engaging in collective action, we can forward our political demands successfully.
11. We can work together to promote important political goals even if we face difficulties.

Knowledge sharing efficacy (5 items)

How much would you say you agree with each of the following statements? Choose an option that best represents your answer.

1. I am confident in my political knowledge that is valuable to others (in our society, in my social networks, in my personal network).
2. I have the expertise required to provide valuable knowledge for others (in our society, in my social networks, in my personal network).
3. It does not really make any difference as to whether or not I share my knowledge with others (in our society, in my social networks, in my personal network).
4. I believe that my knowledge will be appreciated by others.
5. I am confident that my knowledge is useful.

Civic participation (15 items)

1. I have attended a meeting of discussion or dialogue organized by the residents' committees, community centres, or the government.
2. I have participated in events for a cause or a charity (e.g., Hair for Hope, Yellow Ribbon Prison Run, etc.)
3. I have worn or put a badge, a sticker, or a ribbon on me or on my possessions such as phones, notebooks, bags, bicycles, or cars to express my support for a cause or a charity.
4. I have joined or volunteered for welfare/charitable organizations or other nongovernmental organizations.
5. I have donated money to welfare/charitable organizations or other nongovernmental organizations.
6. I have deliberately purchased certain products or services for political/ethical/environmental reasons.
7. I have boycotted certain products or services for political /ethical/environmental reasons.
8. I have 'liked' the contents about political and social issues on social media sites such as Facebook or Twitter.
9. I have shared political and social issues with other people on social media such as Facebook or Twitter.
10. I have written about political or social issues on social media such as Facebook or Twitter.
11. I have written to the newspapers, the government, or a member of Parliament.
12. I have taken part in the discussion about politics or social issues on websites such as online forums or blogs.
13. I have taken part in the discussion about politics or social issues on social media such as Facebook or Twitter.
14. I have signed an online petition about a local, national, or international issue.
15. I have worked together with others in online groups to try to deal with a local issue or a problem.

Social Media Use (2 items)

The next set of questions asks about your use of media for searching for news on politics, public issues, and government policy. Please provide your answer in five-minute intervals (from 5 to 100+). Usually, on a typical day, how many minutes a day do you spend on reading or listening to the following?

1. Facebook
2. Twitter