**Primary and Secondary Control as Antecedents to the Dark Traits in Predicting Attraction to Hacking Behavior**

**Appendix 1. Research Variable Items**

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| **Seven-item scales ranging from *strongly disagree* to *strongly agree*** | | |
| **Type of Question** | **White Hat Items**  **For the following questions, assume that you would be working for a government agency and that you would not be prosecuted for participating in these activities. Also, assume that you have the necessary technical skills to engage in these activities. Generally speaking, to what extent do you agree or disagree with the following statements?** | **Loadings** |
| Social engineering | I would like to pretend I am an authority figure to obtain a password. | .840 |
| Social engineering | I would like to observe a person's behavioral patterns over a week and use that as a way to obtain their personal information. | .843 |
| Social engineering | I would like to use manipulative emails to obtain private information or install malware on computers. | .903 |
| Social engineering | I would like to sneak into buildings using a lock pick, by following someone else, or by using an electronic device to counter the lock system. | .890 |
| Technical | I would like to use password crackers to break into computer accounts. | .909 |
| Technical | I would like to set up a website that looks like a real website to trick people into entering their personal information. | .878 |
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|  | **Black Hat Items**  **For the following questions, assume that you would not get caught for participating in the following activities and that you have the necessary technical skills to engage in these activities. Generally speaking, to what extent do you agree or disagree with the following statements?** |  |
| Financial | I could see myself engaging in hacking attacks if I needed money to purchase a $400,000 house for my family. | .941 |
| Financial | I could see myself engaging in hacking attacks if I needed money to purchase a new $60,000 car that I could not afford. | .919 |
| Financial | I could see myself engaging in hacking attacks if I needed money to pay off a credit card debt that had reached $100,000 and I was just fired from my job. | .917 |
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| **Psychological Variables**  **Seven-item scale ranging from *strongly disagree* to *strongly agree* except for probability of apprehension** | | |
| **Construct** | **Items** | **Loadings** |
| Machiavellian | I have used deceit or lied to get my way. | .799 |
| Machiavellian | I tend to manipulate others to get my way. | .894 |
| Machiavellian | I have used flattery to get my way. | .776 |
| Machiavellian | I tend to exploit others towards my own end. | .847 |
| Narcissism | I tend to want others to admire me. | .773 |
| Narcissism | I tend to want others to pay attention to me. | .859 |
| Narcissism | I tend to expect special favors from others. | .728 |
| Narcissism | I tend to seek prestige or status. | .783 |
| Psychopathy | I tend to lack remorse. | .843 |
| Psychopathy | I tend to be callous or insensitive. | .879 |
| Psychopathy | I tend to be unconcerned with the morality of my actions. | .861 |
| Psychopathy | I tend to be cynical. | .782 |
| Primary Control | When my friends think differently than me, I will convince them that I am right. | .734 |
| Primary Control | I insist on my right to explain what I want, until others understand me. | .829 |
| Primary Control | When I don't agree with others, I will try to convince them that I am right. | .906 |
| Secondary Control | Even when I can't change a bad situation, I can find good things in it and feel better. | .920 |
| Secondary Control | Even when everything seems to be going wrong, I can usually find a bright side to the situation | .823 |
| Secondary Control | I can find something positive, even in the worst situations. | .885 |
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| Probability of apprehension | Suppose you are a computer technical support specialist at a hospital, and you earn $55,000 per year. However, you are currently experiencing financial difficulty. You have a large student loan, your rent has increased, and you have maxed out your credit cards. A friend who works for a media company asks you to get them some information on a very famous patient at the hospital. What amount of money would you receive to make this acceptable? **What do you think is the likelihood of getting caught, if you accept the money?** | .865 |
| Probability of apprehension | Suppose you are an online game developer and you have access to all of the personal information of people that play your computer game. Someone asks you to reveal the personal information of an individual that is bullying another online gamer. What amount of money would you receive to make this acceptable? **What do you think is the likelihood of getting caught, if you accept the money?** | .805 |
| Probability of apprehension | Suppose you work at for an insurance company and make $60,000 per year. A relative asks you to get insurance data on a famous local celebrity from the organization you work for. What amount of money would you receive to make this acceptable? **What do you think is the likelihood of getting caught, if you accept the money?** | .875 |