## Replication Procedure

The following steps were taken to analyze the operational codes of Prime Ministers Abbott and Turnbull, using the automated Verbs in Context System (VICS), through the Profiler Plus software, which were provided by the Social Science Automation, Inc. The coding scheme is used to code the direction (self or other) and intensity of transitive verbs.

### Step 1

All gathered textual data (from PM Abbott's and Turnbull's interviews, press conferences, doorstops) was uploaded into Notepad (UTF-8). The data was separated by PM and category ("total interviews", "foreign policy", and "ISIS"), resulting in six different Notepad documents. However, "Abbott total interviews", "Turnbull total interviews" and "Abbott Foreign Policy" had to be divided into several smaller parts for Profiler Plus to accept it (has to be under 1 MB). Each Notepad file was then uploaded onto Profile Plus (https://profilerplus.org/). The total textual data consists of:

- Abbott total interviews (5 files)
- Abbott Foreign Policy (1 file)
- Abbott ISIS (1 file)
- Turnbull total interviews (8 files)
- Turnbull Foreign Policy (2 files)
- Turnbull ISIS (1 file)

### Step 2

The operational code results are then returned via email in an Excel-sheet (see the six result files in the dataset). These results display all information except I3-I5 and P3-P5. To calculate the results for these categories, we used a formula provided by the Profiler Plus-team in a separate Excel-sheet (see file Operational Code Formula.xls [only for replication purposes by the FPA team]). Specifically, these are the steps taken in the Excel-sheet:

- Create a new row 2
- Copy data from the result-spreadsheet
- Click in first cell in row 2
- Data now in
- Highlight row 3 from I1 to P5
- Hover over the little blank box
- Get cross symbol, then drag up over row 2
- Results appear

These results are displayed in Table 3 in the article.

If multiple files have been submitted, please note that you will need to add up the results of the different files in the Excel-sheet by highlighting the results and click on “sum”.

Step 3

Following standard practice in the operational code literature, to better understand how Abbott’s and Turnbull’s scores should be interpreted, we normalized the indices for each PM by comparing them to the scores for a norming group of world leaders. The data for the norming group consists of a large sample of 168 speech acts from different leaders (see file Norming group of world leaders.xls [only for replication purposes by the FPA team]).

These results are displayed in Table 4 in the article.

Output help

The coding schemes on Profiler Plus are not guaranteed to be stable over time. Coding schemes may be replaced at any point without notice. To ensure comparable results, make sure that the data is generated by the same version of Profiler Plus and the same version of the coding scheme. For example:

```
        Analysis

        ProfilerPlus Analysis Results
        Profiler Version: 7.1.5
        Profiler Patches: No patches loaded

        Unique ID='Unidentified-173'
        Time: 5/21/2013 1:24:44 PM
        Character Count: 4571


        ProfilerPlus Output for CIC,CIC_20130520
```

Source: http://profilerplus.org/Profiler/OutputHelp

**Sample OCA Output**

```
filename,word count,self punish,self threaten,self oppose,self appeal,self
promise,self reward,other punish,other threaten,other oppose,other
appeal,other promise,other reward,I1,I2,P1,P2
Abbas 20051210.pro,65,0,0,0,0,0,0,0,0,0,0,0,0,NIL,NIL,NIL,NIL
Abdullah 20031124.pro,325,0,0,1,1,0,0,2,0,0,2,0,3,0,0,0.4286,0.23809999
Abdullah 20050516.pro,960,0,0,0,4,0,0,3,0,8,15,0,2,1,0.3333,0.2143,0.0476
Adams 19900411.pro,111,0,0,0,0,0,0,1,0,1,0,0,2,NIL,NIL,0,0.1667
Adams 20051020.pro,72,0,0,0,0,1,0,0,1,1,1,0,1,1,0.6667,0,0.0833
Ahmadi-Nejad 20051116.pro,506,0,0,0,2,0,0,2,0,2,14,0,7,1,0.3333,0.68,0.36
Akhmetov 20030704.pro,59,0,0,0,0,0,0,0,0,0,1,0,0,NIL,NIL,1,0.3333
Akhmetov 20041202.pro,59,0,0,0,0,0,0,0,0,0,1,0,1,NIL,NIL,1,0.6667
```

Source: http://profilerplus.org/Profiler/OutputHelp

For further reading on the coding procedure, see:

Levine, Nick, and Michael D. Young. 2014. “Leadership Trait Analysis and Threat Assessment with Profiler Plus.” Proceedings of ILC 2014, 8th International Lisp Conference, Montreal, Canada, August 14–17. Association for Computing Machinery.

Schafer, Mark, and Stephen G. Walker, eds. 2006. *Beliefs and Leadership in World Politics: Methods and Applications of Operational Code Analysis*. London: Palgrave Macmillan.