Acknowledgements

I could not have wished for a better supervising team than the one I had for this dissertation. René Bekkers inspired me with his intelligent views on giving and volunteering in the Netherlands and abroad. His views on responsible research and open science guided this dissertation research. Marjolein Broese van Groenou was always there to comment on pieces of research, even if she was not involved as a co-author. Her comments on theoretical angles, methodological choices and writing styles were always sharp and constructive. Beate Völker immediately decided to help me out by creating a collaboration between her university and ours, which guaranteed the continuations of the project. With great enthusiasm and useful comments she provided daily supervision from February to July 2016.

Besides me and my supervising team, many colleagues contributed to the work in this dissertation.

I thank René Bekkers, Evelien Boonstoppel, Floor de Nooij, Suzanne Felix, Saskia Franssen, Barbara Gouwenberg, Barry Hoolwerf, Danique Karamat Ali, Elly Mariani, Tjeerd Piersma, Brigitte Schouten, Theo Schuyt, Claire van Teunenbroek, Dave Verkaik and other (former) colleagues at Vrije Universiteit (VU) Amsterdam for all the conversations, outings and great work atmosphere.

Colleagues at the Amsterdam Institute for Social Science Research at the University of Amsterdam (UvA) provided an inspiring place to work during the first half of 2016. Despite the unusual situation, the two directors of operations Hanneke Reuling (VU) and José Komen (UvA) did a great job in making the collaboration between the two universities work.

Although the results did not end up in this dissertation, Jochem Miggebrink, Mireille van der Meij and Christina Ceulemans at the Amsterdam University Fund generously helped us with developing a field experiment among alumni.

Years earlier, Brian Burgoon and Tom van der Meer pushed me in the right direction when supervising my Bachelor and Master thesis, respectively.

I am grateful to Femida Handy and her colleagues at the School of Social Policy & Practice at the University of Pennsylvania for their great hospitality from September to November 2016. A special thanks to Andrea Nurse for helping me out with the practical issues around my research visit.

Pamala Wiepking not only provided great substantive and personal sup-
port, I also benefited from her important work on the Individual Interna-
tional Philanthropy Database (IIPD) which is used in Chapter 1. With this
project, Pamala and Femida made an important contribution to the field and
were awarded ARNOVA’s Virginia A. Hodgkinson Research Book Prize. The
IIPD was created with the help of René Bekkers, Steffen Bethman, Oonagh
Breen, Beth Breeze, Chris Einolf, Chulhee Kang, Hagai Katz, Michael D. Lay-
ton, Kuang-Ta Lo, Irina Mersianova, Michaela Neumayr; Una Osili, Anne Bir-
gitta Pessi, Karl-Henrik Sivesind, Wendy Scaife, and Naoto Yamauchi. A large
part of the data coding and synchronizing was done by Sohyun Park.

Michaela Neumayr contributed a lot to Chapter 1, and was a great col-
league to work with. I consider Michaela and myself both as first authors on
this article.

I benefited a lot from conversations at different occasions with Rich Stein-
berg, Mark Ottoni-Wilhelm and other colleagues from the Lilly School of
Philanthropy at Indiana University–Purdue University Indianapolis.

I thank Peter Frumkin for the great pieces of advice on my work and ca-
reer, and the other 2014 Penn Social Impact Doctoral Fellows, Sabith Khan,
Mirae Kim, Bethany Slater, Amanda Stewart and Rachel Wright, for their ex-
tensive and useful comments.

Roza Meuleman, Gerbert Kraaykamp, Marion Wittenberg and other par-
ticipants of the 5th Dutch ESS Workshop provided a great platform to think
about cross-national studies like the one in Chapter 1.

Michael Berbaum and other teachers in the ICPSR Summer Program in
Quantitative Methods of Social Research considerably contributed to im-
proving my skills and knowledge.

Mark Koetse and Boris van Zanten helped us with developing the me-
ta-analysis in Chapter 2.

Ad Graaman from the Dutch Central Bureau on Fundraising (CBF) provid-
ed the organizational data for Chapter 3.

Other colleagues who generously devoted time to comment on my work
include Jeff Brudney, Maria Radyati, Adalbert Evers, Judith van der Veer and
Hans Keman.

Last but not least, a special word for Theo Schuyt. Although he was not
part of my team of supervisors, his views on the relationship between the
state and the nonprofit sector inspired the context of this dissertation. As
founder, former director and part-time professor, his never-lasting enthusi-
asom makes the Center for Philanthropic Studies work.
Funding

Arjen de Wit was partly supported by different travel grants from the Graduate School of Social Sciences at Vrije Universiteit (VU) Amsterdam.

Femida Handy received partial support for this research from the School of Social Policy and Practice, University of Pennsylvania.

Pamala Wiepking was partly supported by the Netherlands Organization for Scientific Research (NWO).

René Bekkers received support from the Van der Gaag Foundation of the Royal Netherlands Academy of Sciences.

Funding for the Giving in the Netherlands Panel Survey was provided by the Ministry of Justice, the Ministry of Health, Wellbeing and Sports, and various other Ministries of the Netherlands.
# Appendix

## Table A1: Possible moderators of the crowding-out effect

<table>
<thead>
<tr>
<th>Often distinguished in empirical studies</th>
<th>Tested in meta-analysis</th>
<th>Not tested in meta-analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Data source (experimental/non-experimental)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Sample country</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Beneficiary of government support (subsidies to organizations/direct expenditures)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Regression specification (FE/FD/other)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Use of instrumental variables</td>
<td></td>
</tr>
<tr>
<td>Sometimes distinguished in empirical studies</td>
<td>• Level of government (central/lower)</td>
<td>• Nonprofit sectors</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Non-linear effect of government support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Private donor (individual/company/foundation/other)</td>
</tr>
<tr>
<td>Often not distinguished in empirical studies</td>
<td>• Types of government support (lump-sum grants/matching grants/contracts/purchase of services/vouchers)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Tax salience</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Number of other donors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Different types of public goods</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Linearity of public good cost function</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Number of initial non-donors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Substitution between organizations</td>
<td></td>
</tr>
<tr>
<td>Reference</td>
<td>#</td>
<td>Data</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>----</td>
<td>------------</td>
</tr>
<tr>
<td>Abrams &amp; Schmitz, 1978</td>
<td>3</td>
<td>Archival</td>
</tr>
<tr>
<td>Abrams &amp; Schmitz, 1984</td>
<td>3</td>
<td>Archival</td>
</tr>
<tr>
<td>Andreoni, 1993</td>
<td>21</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Andreoni &amp; Payne, 2011</td>
<td>14</td>
<td>Archival</td>
</tr>
<tr>
<td>Becker &amp; Lindsay, 1994</td>
<td>3</td>
<td>Archival</td>
</tr>
<tr>
<td>Blanco et al., 2012</td>
<td>6</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Bolton &amp; Katok, 1998</td>
<td>2</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Bönke, Massarrat-Mashhadi, &amp; Sielaff, 2013</td>
<td>2</td>
<td>Archival</td>
</tr>
<tr>
<td>Borgonovi, 2006</td>
<td>11</td>
<td>Archival</td>
</tr>
<tr>
<td>Brooks, 1999</td>
<td>1</td>
<td>Archival</td>
</tr>
<tr>
<td>Brooks, 2000a</td>
<td>5</td>
<td>Archival</td>
</tr>
<tr>
<td>Brooks, 2000b</td>
<td>7</td>
<td>Archival</td>
</tr>
<tr>
<td>Brooks, 2003a</td>
<td>2</td>
<td>Archival</td>
</tr>
<tr>
<td>Brooks, 2003b</td>
<td>3</td>
<td>Archival</td>
</tr>
<tr>
<td>Brunner, 1997</td>
<td>1</td>
<td>Archival</td>
</tr>
<tr>
<td>Brunner &amp; Sonstelie, 2003</td>
<td>6</td>
<td>Archival</td>
</tr>
<tr>
<td>Callen, 1994</td>
<td>3</td>
<td>Archival</td>
</tr>
<tr>
<td>Chan et al., 1996</td>
<td>16</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Chan et al., 2002</td>
<td>5</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Reference</td>
<td>#</td>
<td>Data</td>
</tr>
<tr>
<td>-----------</td>
<td>---</td>
<td>------</td>
</tr>
<tr>
<td>Duncan, 1999</td>
<td>1</td>
<td>Survey</td>
</tr>
<tr>
<td>Eckel et al., 2005</td>
<td>2</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Ferris &amp; West, 2003</td>
<td>3</td>
<td>Archival</td>
</tr>
<tr>
<td>Galbiati &amp; Vertova, 2008</td>
<td>16</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Galbiati &amp; Vertova, 2014</td>
<td>2</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Garrett &amp; Rhine, 2010</td>
<td>41</td>
<td>Archival</td>
</tr>
<tr>
<td>Gronberg et al., 2012</td>
<td>1</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Güth et al., 2006</td>
<td>3</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Herzer &amp; Nunnenkamp, 2013</td>
<td>2</td>
<td>Archival</td>
</tr>
<tr>
<td>Hsu, 2008</td>
<td>6</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Hughes &amp; Luksetich, 1999</td>
<td>8</td>
<td>Archival</td>
</tr>
<tr>
<td>Hughes et al., 2014</td>
<td>4</td>
<td>Archival</td>
</tr>
<tr>
<td>Hungerman, 2005</td>
<td>2</td>
<td>Archival</td>
</tr>
<tr>
<td>Isaac &amp; Norton, 2013</td>
<td>2</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Khanna &amp; Sandler, 2000</td>
<td>8</td>
<td>Archival</td>
</tr>
<tr>
<td>Khanna et al., 1995</td>
<td>5</td>
<td>Archival</td>
</tr>
<tr>
<td>Kim &amp; Van Ryzin, 2014</td>
<td>4</td>
<td>Survey exp.</td>
</tr>
<tr>
<td>Reference</td>
<td>#</td>
<td>Data</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>----</td>
<td>-------</td>
</tr>
<tr>
<td>Kingma, 1989</td>
<td>10</td>
<td>Survey</td>
</tr>
<tr>
<td>Kingma &amp; McClelland, 1995</td>
<td>3</td>
<td>Survey</td>
</tr>
<tr>
<td>Konow, 2010</td>
<td>1</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Korenok et al., 2012</td>
<td>2</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Korenok et al., 2014</td>
<td>3</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Kropf &amp; Knack, 2003</td>
<td>1</td>
<td>Archival</td>
</tr>
<tr>
<td>Lilley &amp; Slonim, 2014</td>
<td>2</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Luccasen, 2012</td>
<td>1</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Luksetich &amp; Lange, 1995</td>
<td>6</td>
<td>Archival</td>
</tr>
<tr>
<td>Manzoor &amp; Straub, 2005</td>
<td>3</td>
<td>Survey</td>
</tr>
<tr>
<td>Marcuello &amp; Salas, 2000</td>
<td>2</td>
<td>Archival</td>
</tr>
<tr>
<td>Marcuello &amp; Salas, 2001</td>
<td>8</td>
<td>Archival</td>
</tr>
<tr>
<td>Nelson &amp; Gazley, 2014</td>
<td>6</td>
<td>Archival</td>
</tr>
<tr>
<td>Nunnenkamp &amp; Öhler, 2012</td>
<td>7</td>
<td>Archival</td>
</tr>
<tr>
<td>Okten &amp; Weisbrod, 2000</td>
<td>10</td>
<td>Archival</td>
</tr>
<tr>
<td>O'Regan &amp; Oster, 2002</td>
<td>2</td>
<td>Archival</td>
</tr>
<tr>
<td>Reference</td>
<td>#</td>
<td>Data</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>----</td>
<td>------------</td>
</tr>
<tr>
<td>Paqué, 1986</td>
<td>4</td>
<td>Archival</td>
</tr>
<tr>
<td>Payne, 1998</td>
<td>10</td>
<td>Archival</td>
</tr>
<tr>
<td>Payne, 2001</td>
<td>29</td>
<td>Archival</td>
</tr>
<tr>
<td>Posnett &amp; Sandler, 1989</td>
<td>11</td>
<td>Archival</td>
</tr>
<tr>
<td>Reece, 1979</td>
<td>7</td>
<td>Survey</td>
</tr>
<tr>
<td>Reeson &amp; Tisdell, 2008</td>
<td>4</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Ribar &amp; Wilhelm, 2002</td>
<td>8</td>
<td>Archival</td>
</tr>
<tr>
<td>Sav, 2012</td>
<td>15</td>
<td>Archival</td>
</tr>
<tr>
<td>Schiff, 1985</td>
<td>5</td>
<td>Survey</td>
</tr>
<tr>
<td>Smith, 2007</td>
<td>17</td>
<td>Archival</td>
</tr>
<tr>
<td>Sokolowski, 2013</td>
<td>3</td>
<td>Archival</td>
</tr>
<tr>
<td>Song &amp; Yi, 2011</td>
<td>2</td>
<td>Archival</td>
</tr>
<tr>
<td>Steinberg, 1985</td>
<td>3</td>
<td>Survey</td>
</tr>
<tr>
<td>Reference</td>
<td>#</td>
<td>Data</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>----</td>
<td>----------</td>
</tr>
<tr>
<td>Sutter &amp; Weck-Hannemann, 2004</td>
<td>15</td>
<td>Lab exp.</td>
</tr>
<tr>
<td>Tinkelman &amp; Neely, 2011</td>
<td>7</td>
<td>Archival</td>
</tr>
<tr>
<td>Weinblatt, 1992</td>
<td>2</td>
<td>Archival</td>
</tr>
<tr>
<td>Yetman &amp; Yetman, 2003</td>
<td>24</td>
<td>Archival</td>
</tr>
<tr>
<td>Yetman &amp; Yetman, 2013</td>
<td>3</td>
<td>Archival</td>
</tr>
</tbody>
</table>
References

A


Chan, K.S., Mestelman, S., Moir, R., & Muller, R.A. (1996). The Voluntary Provi-


European Commission. (2013). *Communication from the commission to the european parliament, the council, the european economic and social committee and the committee of the regions: Towards social investment for growth and cohesion including implementing the european social fund 2014-2020*. Brussels: COM.


Gesthuizen, M., Scheepers, P., van der Veld, W., & Völker, B. (2013). Structural
aspects of social capital: tests for cross-national equivalence in Europe. *Quality & Quantity, 47*(2), 909-922.


*Transparency: the Key to Better Governance?* New York: Oxford University 
Press, pp. 25-43.


Heerma van Voss, L.H., & Van Leeuwen, M. (2012). Charity in the Dutch Re-


Commercial Activities, and Fundraising: Cointegration and Causality for 
NGOs in International Development Cooperation. *World Development, 46*, 
234-251.

Heutel, G. (2014). Crowding Out and Crowding In of Private Donations and 

Know Enough - And Care Enough - About Government Subsidies to Affect 
Private Giving to Nonprofit Organizations? *Nonprofit and Voluntary Sector 
Quarterly, 34*, 136-149.

 mentation: what public managers should know about public opinion and 
the potential impact of government funding on private giving. *International 

Hsu, L.C. (2008). Experimental evidence on tax compliance and voluntary 

Hughes, P.N.H., & Luksetich, W.A. (1999). The Relationship Among Funding 
Sources for Art and History Museums. *Nonprofit Management and Leader-
ship, 10*(1), 21–37.

Efforts: The Impact of Government Grants on Symphony Orchestras. *Non-


IIPD (2016). *Individual International Philanthropy Database* [Machine-read-
able data file]. P. Wiepking & F. Handy [principle investigators]. Rotterdam, the Netherlands: Erasmus University Rotterdam [distributor].


**J**


**K**


L


view, 29(3), 183-207.


N


O


R


School of Philanthropy.

Schervish, P.G., & Havens, J.J. (1995). Wherewithal and beneficence: Charita-
ble giving by income and wealth. *New Directions for Philanthropic Fundraising*, 8, 81-109.


T


U


V


Vos, N. (2011). Kleine kunstinstellingen kunnen wel inpakken; Zijlstra laat
Concertgebouworkest, Nederlandse Opera en beste musea en festivals ongemoeid. Het Parool, June 11.

W


Wiepking, P. (2010). Democrats support international relief and the upper class donates to art? How opportunity, incentives and confidence affect donations to different types of charitable organizations. *Social Science Research*, 39(6), 1073-1087.


Wilhelm, M.O., & Bekkers, R. (2010). Helping Behavior, Dispositional Em-


