

# Notes

## 2 The Value of the Humanities

1. Fish (2008).
2. Quoted by Menand (2010) p. 49.
3. Menand (2010) pp. 57ff. also offers a critique of non-instrumentalism.
4. Nussbaum (2010) 'Afterword'.
5. Popular interest in literature and history needs little documenting; but, for the remarkable growth in popular archaeology, see Parker Pearson (2011). In the UK, Melvyn Bragg's work on TV and radio, especially *In our time* (BBC Radio 4) has established a widespread interest in philosophy, the history of ideas and of language. The German publisher C. H. Beck (<http://www.chbeck.de/>) provides another good example.
6. For this point, see Collini (2012) pp. 96–7.
7. Nussbaum (2010) makes the case for the social value of specific disciplines across Chapters 3–5 as a whole.
8. *Consensus Study on the State of the Humanities in South Africa* (2011) p. 29.
9. See McMahon et al. (2011).
10. Participants included congressional staff from the House and Senate. The meeting was intended to show 'how research projects funded by the National Endowment for the humanities helped foster a better understanding of foreign cultures – particularly in Afghanistan, Pakistan, Iraq, and Iran – and how that knowledge has assisted U.S. military, aid, and diplomatic efforts in those countries'. The meeting discussed research into Iranian civilisation, Chinese historical figures, the history of uranium production in Africa, Arab demographic trends, and newspapers across Latin America – in general, research that has 'deepened America's understanding of other countries with which it regularly engages'.
11. According to the METRIS reports, cultural heritage is also among the leading thematic priorities in most former Eastern bloc countries. For instance, the authors of the report on Poland state: 'the research schemes of the National Programme for the Development of Humanities have a particular focus on research projects in the domain of national heritage' (p. 20). But this is part of a pattern common to several other countries. For specific references see Bulgaria p. 9, Croatia p. 20, Czech Republic pp. 22–3, Latvia p. 12, Lithuania pp. 2–3, Romania pp. 2–3, Serbia p. 2, Slovakia p. 19 and Slovenia p. 13. Contrast the METRIS report on the UK, where heritage hardly figures at all. (Page numbers refer to the relevant METRIS reports for each country.)
12. For an account of the controversy, see Evans (2013). For a possible US parallel in the state of Texas, McKinley (2010).
13. See the example above, *Addressing National Security & Other Global Challenges Through Cultural Understanding*.
14. A point implicit in some of the METRIS reports referred to above.

15. See *Leading the World: the Economic Impact of UK Arts and Humanities Research* (2009) pp. 12–24.
16. This will be discussed in some detail in Chapter 8.
17. See Matthews (2012).
18. *Consensus Study*, pp. 31–2.
19. See Fish (2008) and Nussbaum (2010), esp. Chapters 1–2.
20. See Parker Pearson (2011).
21. See e.g. Gurr (1981), Eisner (2003) and Spierenburg (2008).
22. See Overy (2011).
23. For two disparate examples, see *Playing to Our Strengths*, Irish Research Council, p. 3, and *Consensus Study*, South Africa, p. 44.
24. For a US/Australian example, see Golsby-Smith (2011).
25. E.g. Isaacson (2011) discussing Steve Jobs. (Jobs' view on the humanities is discussed below.)
26. *Leading the World* (2009) pp. 22. See also Press (2011), who details cases where research in art and design has led to business innovation.
27. On the distinction between economic and social innovation in the context of the humanities see the *South African Consensus Study* (2011) p. 40.
28. Nussbaum (2010) Chapter 4.
29. Cf. Karl Popper's claim that progress in science operates through conjectures and refutations.
30. Kronman (2007), critiqued by Fish (2008).
31. See McDonald (2011). He argues that literary scholars should espouse this role. If they do not, literary disciplines start to lose their identity and merge into subjects such as history, cultural studies or philosophy.

### 3 The Nature of the Humanities

1. Most respondents who referred to some form of cross-fertilisation only referred to one of the categories above. But some of the Asian respondents who stressed interdisciplinary research trends also mentioned comparative approaches, and vice versa. So, in the ten Asian interviews where cross-fertilisation featured, there were actually seven references to interdisciplinary and eight to comparative research.
2. To an extent this trend overlaps with a tendency towards the socially relevant themes discussed above, because some forms of interdisciplinary, collaborative and intercultural research are societal in focus. But the two notions do not necessarily converge.
3. We call this reaction *mildly negative* because, unlike the previous quote (NA10), it seems to allow for the possibility, in principle, of making findings in the humanities. This was quite a common reaction within this category. Indeed, it is useful to wordsearch 'findings' throughout an interview to see if they use the word elsewhere, even if they appear negative in this particular question.
4. These results include both batches of interviews.
5. For want of a better one we use the term to describe those who think the humanities do not aim to make discoveries resulting in truth.

## 4 The Digital Humanities

1. Spence, P. 'How Do You Define DH? | Day of DH 2012.' Accessed July 26, 2013. <http://dayofdh2013.matrix.msu.edu/members/>.
2. Spence, P. 'How Do You Define DH? | Day of DH 2012.' Accessed July 26, 2013. <http://dayofdh2012.artsrn.ualberta.ca/dh/>. See also: Heppler, Jason. 'What Is Digital Humanities?' Accessed July 26, 2013. <http://whatisdigitalhumanities.com/>.
3. 'Our Mission | ADHO.' Accessed July 26, 2013. <http://adho.org/>.
4. 'The Association for Computers and the Humanities | Membership.' Accessed July 26, 2013. <http://ach.org/membership/>.
5. Others include *Digital Studies/Le champ numérique*, an open-access peer-reviewed electronic journal from CSDH/SCHN *DH Commons*, an open-access peer-reviewed electronic journal forthcoming from centerNet, *Computers in the Humanities Working Papers*, an online preprint publication, *Text Technology*, a free electronic journal published by McMaster University.
6. 'THATCamp | The Humanities and Technology Camp.' Accessed July 26, 2013. <http://thatcamp.org/>.
7. See for example: 'The Medici Archive Project | The Medici Archive Project.' Accessed July 26, 2013. <http://www.medici.org/>.
8. Galina, Isabel. 'Is There Anybody Out There?' <http://humanidadesdigitales.net/blog/2013/07/19/is-there-anybody-out-there-building-a-global-digital-humanities-community/> (Accessed July 26, 2013).
9. 'centerNet | An International Network of Digital Humanities Centers.' Accessed July 26, 2013. <http://digitalhumanities.org/centernet/>. Home | EADH - The European Association for Digital Humanities.' Accessed July 26, 2013. <http://www.allc.org/>.
10. For example, the 'Digging into Data Challenge' is an initiative funded jointly by organisations in Canada, the Netherlands, the United Kingdom, and the United States. 'Digging Into Data > Home.' Accessed July 26, 2013. <http://www.diggingintodata.org/>.
11. Galina, Isabel. 'Is There Anybody Out There? Building a Global Digital Humanities Community | Humanidades Digitales.'
12. *ibid.*
13. 'About | Centre for Educational Technology.' Accessed July 26, 2013. <http://www.cet.uct.ac.za/aboutCET>.
14. 'About the Programme.' Accessed July 26, 2013. [http://www.ulwazi.org/index.php?option=com\\_content&view=article&id=1&Itemid=4](http://www.ulwazi.org/index.php?option=com_content&view=article&id=1&Itemid=4).
15. 'centerNet | An International Network of Digital Humanities Centers.' Accessed July 26, 2013. <http://digitalhumanities.org/centernet/>.
16. 'People - Digital Humanities Hub - ANU - Digital Humanities Hub - ANU.' Accessed July 26, 2013. <http://dhh.anu.edu.au/people>.
17. '[FOCUS] Digital Humanities Research in China.' *DH101*. Accessed July 26, 2013. <http://dh101.ch/2012/10/16/focus-digital-humanities-research-in-china/>.
18. *ibid.*
19. 'centerNet | An International Network of Digital Humanities Centers.' Accessed July 26, 2013. <http://digitalhumanities.org/centernet/>.

20. UCL puts it at 25 in 2011. 'All Sizes | Infographic: Quantifying Digital Humanities | Flickr - Photo Sharing!' Accessed July 26, 2013. <http://www.flickr.com/photos/uclhdh/6730021199/sizes/o/in/photostream/>.
21. 'Home | EADH - The European Association for Digital Humanities.' Accessed July 26, 2013. <http://www.allc.org/>.
22. 'People : CIRCA.' Accessed July 26, 2013. [http://circa.ualberta.ca/?page\\_id=9](http://circa.ualberta.ca/?page_id=9).
23. 'McGill Digital Humanities.' Accessed July 26, 2013. <http://digihum.mcgill.ca/>.
24. UCL puts it at 44 in 2011. 'All Sizes | Infographic: Quantifying Digital Humanities | Flickr - Photo Sharing!' Accessed July 26, 2013. <http://www.flickr.com/photos/uclhdh/6730021199/sizes/o/in/photostream/>.
25. See, for example: 'View All Projects | DHCommons.' Accessed July 26, 2013. <http://dhcommons.org/projects>.
26. 'Old Weather - Our Weather's Past, the Climate's Future.' Accessed July 26, 2013. <http://www.oldweather.org/>.
27. 'POxy Oxyrhynchus Online.' Accessed July 26, 2013. <http://www.papyrology.ox.ac.uk/POxy/>.
28. 'TEI: Text Encoding Initiative.' Accessed July 26, 2013. <http://www.tei-c.org/index.xml>.
29. Lee Woolgar, Country Report, Social Sciences and Humanities in Japan, 2011 Report, Metris, European Commission, DG-Research, p. 19.
30. Gold, Matthew K. 'Debates in the Digital Humanities.' Accessed July 26, 2013. <http://dhdebates.gc.cuny.edu/debates>.
31. Sinclair, S., Ruecker, S., Gabriele, S., Patey, M., Gooding, M., Vitas, C. & Bajer, B. (2011). *Meditating on a Mandala* Accessed July 26, 2013. <http://mcp.educ.ubc.ca/book/export/html/3>.
32. 'Metadata and Text Markup » Tooling Up for Digital Humanities.' Accessed July 26, 2013. [http://toolingup.stanford.edu/?page\\_id=141](http://toolingup.stanford.edu/?page_id=141). See also: 'Text Analysis » Tooling Up for Digital Humanities.' Accessed July 26, 2013. [http://toolingup.stanford.edu/?page\\_id=981](http://toolingup.stanford.edu/?page_id=981).
33. 'TAPoR.' Accessed July 26, 2013. <http://portal.tapor.ca/portal/portal>.
34. 'Textal.' Accessed July 26, 2013. <http://www.textal.org/>.
35. 'Voyant Tools: Reveal Your Texts.' Accessed July 26, 2013. <http://voyant-tools.org/>.
36. 'WordSeer Project Page.' Accessed July 26, 2013. <http://wordseer.berkeley.edu/>.
37. 'Overview | Geographic Information Systems.' Accessed July 26, 2013. <http://www.esri.com/what-is-gis/overview>.
38. A large number of projects can be found at 'Zotero | Groups > humanitiesGIS > Library > Literary Spaces.' Accessed July 26, 2013. <https://www.zotero.org/groups/humanitiesgis/items/collectionKey/ED4MRWHI>. See also: 'Research | Spatial Humanities.' Accessed July 26, 2013. <http://spatial.scholarslab.org/collections/?colnum=8EB7UQHC>.
39. 'Mapping St Petersburg | Experiments in Literary Cartography.' <http://www.mappingpetersburg.org/site/>; 'Mapping the Lakes: Home Page.' <http://www.lancs.ac.uk/mappingthelakes/index.htm>; Hui, Barbara. 'LITMAP: Mapping Literature.' <http://barbarahui.net/litmap/>; Charles Travis, Digital Literary Atlas of Ireland. <http://www.tcd.ie/trinitylongroomhub/digital-atlas/>. Accessed July 26, 2013.

40. 'China Historical GIS.' Accessed July 26, 2013. <http://www.fas.harvard.edu/~chgis/>.
41. *ibid.* <http://www.fas.harvard.edu/~chgis/data/chgis/downloads/v5/about/>.
42. 'Pleiades Project | Ancient World Mapping Center.' Accessed July 26, 2013. <http://awmc.unc.edu/wordpress/blog/category/pleiades-project/>; 'NGA: GNS Home.' Accessed July 26, 2013. <http://earth-info.nga.mil/gns/html/>.
43. Lee Woolgar, Country Report, Social Sciences and Humanities in Japan, 2011 Report, Metris, European Commission, DG-Research, p. 19.
44. Information from Digging Into Data Challenge website: <http://www.digging-intodata.org/> (Accessed October 20, 2013).
45. For examples see the list of project presentations at Duke University [http://www.cs.duke.edu/~emsonson/FridayForum/spring\\_2013.html](http://www.cs.duke.edu/~emsonson/FridayForum/spring_2013.html). Trevor Harris' work see: [http://pages.geo.wvu.edu/~tmh/?page\\_id=169](http://pages.geo.wvu.edu/~tmh/?page_id=169).
46. P. Svensson, The Landscape of Digital Humanities, <http://digitalhumanities.org/dhq/vol/4/1/000080/000080.html> (Accessed October 17, 2013).
47. P. Bradley, <http://chronicle.com/blogs/profhacker/where-are-the-philosophers-thoughts-from-thatcamp-pedagogy/37408> (Accessed October 17, 2013).
48. <http://dgmyers.blogspot.com/2013/04/digital-humanities.html> (Accessed October 17, 2013).
49. R. Grusin, <http://www.c21uwm.com/2013/01/09/dark-side-of-the-digital-humanities-part-2/> (Accessed October 17, 2013).

## 5 Translating the Humanities

1. Duke Translational Medicine Institute <http://www.dukemedicine.org/Initiatives/ClinicalAndTranslationalScience>.
2. Vision statement of the PennState Clinical and Translational Science Institute [http://ctsi.psu.edu/?page\\_id=27](http://ctsi.psu.edu/?page_id=27).
3. Wainwright et al. (2006).
4. John Galloway, Translation: Beating Scientific Swords into Medical Ploughshares. <http://www.nimr.mrc.ac.uk/mill-hill-essays/year/2010/>.
5. Martin et al. (2008) p. 39.
6. On the other hand, it is worth mentioning European initiatives that support translation between humanities and business. The Flexit programme of the Riksbankens jubileumfond 'aims to build bridges between humanities and social science research and companies and organisations outside the academic world'. (<http://www.rj.se/en/Funding-opportunities/2014/Flexit-Call-2014/>) Similar programmes are funded in the Netherlands by the NWO Humanities and in Denmark by InnovationsFonden.
7. *Reinvigorating the Humanities*, AAU (2004).
8. *The Nairobi Report* (2009) p. 1.
9. The Economic Role and Influence of the Social Sciences and Humanities: A Conjecture ([http://www.sshrc-crsh.gc.ca/about-au\\_sujet/publications/impacts\\_e.pdf](http://www.sshrc-crsh.gc.ca/about-au_sujet/publications/impacts_e.pdf)), p.31.
10. DJØFbladet 2013:2 <http://www.djoef.dk/blade/defacto/udgivelser/2013/nummer-2/~media/Documents/Djoef/D/DeFacto/2013/2/Produktiviteteffekter%20af%20uddannelse%20i%20den%20private%20sektor.ashx>.

11. <http://www.torch.ox.ac.uk/node/336>.
12. See American Academy of Arts and Sciences, *Humanities Indicators*, (Part III. The Humanities Workforce: Section B. Career Paths of Humanities College Graduates). <http://HumanitiesIndicators.org>.
13. <http://www.almedalsveckan.info/6895>.
14. See for example [http://humanities.ku.dk/research/industrial\\_phd\\_programme/](http://humanities.ku.dk/research/industrial_phd_programme/) (Accessed January 1, 2014).
15. <http://www.dublintellectual.ie> (Accessed January 1, 2014).

## 6 The Culture of Humanities Research

1. This issue is discussed in more detail by Mamdani (2012).
2. In contrast, it is worth quoting another part of E14's interview referred to above: 'in some countries, e.g. Sweden and Netherland, my ... colleagues do write only in English. Their research is therefore totally disconnected from the population of their country.'
3. Unless one counts the following comment from R7 as negative: 'the EUSP is a highly untypical institution for Russia in the sense that it requires international publications (in WS indexed periodicals) as a condition for promotion to professorial positions. That creates some pressure towards choosing topics which may be of more interest for an international audience (e.g. comparative, or dealing with global processes), to the detriment of those which have more relevance for intellectual and political debates inside the country.'
4. However, one of them (As6) did make an interesting comment that conflicts with the general tendency to think homogeneity is on the rise: 'in one sense of internationalisation this is happening a lot (especially over the last 10–15 years). New funding is coming in internationally – government funding collaborates with private (international) funders; the Internet has created new international networks. But this is not to be confused with intellectual internationalisation, which is quite old. In fact, this kind of internationalisation is declining, as research becomes more regional (because of the post-colonial emphasis).'
5. See *Arts and Humanities Research Mapping, India* (2010) pp. 9–10.
6. Latin America was the one region where all respondents were interdisciplinary.
7. There is a closely related issue. In discussions of interdisciplinarity one can easily take a sceptical position, arguing that there is something artificial about disciplinary boundaries. Only two of our respondents raised this issue, but we shall return to it in the conclusion. For further discussion, see Menand (2010) Chapter 3, on the link between academic professionalism and anxieties over interdisciplinarity.
8. In this connection, it is interesting that six respondents claimed that their own fields are, by nature, interdisciplinary and that monodisciplinarity is not really feasible. These fields were anthropology, education, film studies, sociology, environmental history and social history. The respondents making this point were from Algeria, Australia, India, Jordan, Mozambique, Russia and the US.
9. The METRIS reports contain useful discussions of interdisciplinarity. In each report, the topic comes in Section 4.5.2. The relevant section of the Germany report is particularly interesting (pp. 66–9). On interdisciplinarity in India

see *Arts and Humanities Research Mapping, India* (2010) esp. p. 24, though the topic recurs at frequent points in the report. A useful guide for the US can be found in Sa' (2008). See also Holm et al. (2013).

10. See E15: 'An organisational problem is that if you publish in interdisciplinary edited collections, people in your own discipline may not read it. In fact such collections may attract rather few readers.'

## 8 Humanities and Public Policy

1. <http://www.gpo.gov/fdsys/pkg/CREC-2013-03-20/pdf/CREC-2013-03-20-pt1-PgS1975.pdf>, p. S1976 and 1978. For a European perspective on the US debate see Helga Nowotny, 'Shifting horizons for Europe's social sciences and humanities', in <http://www.theguardian.com/science/political-science/2013/sep/23/europe-social-sciences-humanities>.
2. [4humanities.org/wp-content/uploads/2013/07/humanitiesmatter300.pdf](http://4humanities.org/wp-content/uploads/2013/07/humanitiesmatter300.pdf).
3. C. Koch, 'The Contest for American Culture: A Leadership Case Study on The NEA and NEH Funding Crisis' <http://www.upenn.edu/pnc/ptkoch.html>.
4. NEH, Appropriations Request for Fiscal Year 2014 [http://www.neh.gov/files/neh\\_request\\_fy2014.pdf](http://www.neh.gov/files/neh_request_fy2014.pdf) (Accessed October 27, 2013).
5. [http://www.humanitiescommission.org/\\_pdf/hss\\_report.pdf](http://www.humanitiescommission.org/_pdf/hss_report.pdf), p. 9.
6. *Ibid.*, p. 57.
7. [http://www.humanitiescommission.org/\\_pdf/hss\\_reort.pdf](http://www.humanitiescommission.org/_pdf/hss_reort.pdf), p. 9.
8. *Ibid.*, p. 44.
9. *Ibid.*, p. 39.
10. *Ibid.*, p. 40.
11. *Ibid.*, pp., 17, 39.
12. *Consensus Study on the State of the Humanities in South Africa* (2011) p. 25. Curiously enough it is also claimed that all these problems have their 'roots' in the humanities. We cannot tell what was intended by this.
13. *Ibid.*, pp. 26–7.
14. *Ibid.*, p. 27.
15. *Ibid.*, p. 26.
16. *Ibid.*, p. 31.
17. *Ibid.*, p. 28.
18. *Ibid.*, p. 44.
19. *Ibid.*, p. 45.
20. *Ibid.*, p. 47.
21. <http://www.info.gov.za/view/DownloadFileAction?id=104227>, p. 5.
22. 'Ending more of Labor's waste', <https://www.liberal.org.au/latest-news/2013/09/05/ending-more-labor-s-wast> (Accessed October 30, 2013).
23. *Arts and Humanities Research Mapping, India* (2010).
24. *METRIS Country report. Social Sciences and Humanities in Japan*. [http://www.metrisnet.eu/metris//fileUpload/countryReports/Japan\\_2012.pdf](http://www.metrisnet.eu/metris//fileUpload/countryReports/Japan_2012.pdf).
25. *METRIS Country report. Social Sciences and Humanities in Brazil*. [http://www.metrisnet.eu/metris//fileUpload/countryReports/Brazil\\_2012.pdf](http://www.metrisnet.eu/metris//fileUpload/countryReports/Brazil_2012.pdf).
26. We compare the calculated NEH research expenditure of 2011 of 25 million USD with the estimated annual 220 million euro for the humanities in ERC by inflating to 2013 prices and conversion rate.
27. Kastrinos (2010).

28. *Humanities – Essential Research for Europe* (Danish Research Council for the Humanities, 2003). <http://fivu.dk/en/publications/2003/files-2003/humanities-essential-research-for-europe.pdf> (Accessed October 28, 2013).
29. <http://www.heranet.info/hera-joint-research-programme-1>.
30. [http://www.heranet.info/system/files/HERAJRPdocuments/hera\\_a4\\_26sept.pdf](http://www.heranet.info/system/files/HERAJRPdocuments/hera_a4_26sept.pdf).
31. [http://www.esf.org/fileadmin/Public\\_documents/Publications/SCH%20Position%20paper\\_01.pdf](http://www.esf.org/fileadmin/Public_documents/Publications/SCH%20Position%20paper_01.pdf), p. 12.
32. Science Europe Position Statement, Embedding Social Sciences and Humanities in the Horizon 2020 Societal Challenges. January 2013 [http://www.scienceeurope.org/uploads/Public%20documents%20and%20speeches/SE\\_SSH\\_Pos\\_Statement\\_Jan.2013.pdf](http://www.scienceeurope.org/uploads/Public%20documents%20and%20speeches/SE_SSH_Pos_Statement_Jan.2013.pdf) (Accessed October 24, 2013).
33. Positioning Humanities Research in the 7th Framework Programme [http://ec.europa.eu/research/social-sciences/pdf/egh-report\\_en.pdf](http://ec.europa.eu/research/social-sciences/pdf/egh-report_en.pdf) (Accessed October 29, 2013).
34. METRIS Monitoring Emerging Trends in Socio-Economic Sciences and Humanities in Europe (Brussels, 2009, EUR 23741, ISBN 978-92-79-11136-5, DOI 10.2777/57083) [http://ec.europa.eu/research/social-sciences/pdf/metrism-report\\_en.pdf](http://ec.europa.eu/research/social-sciences/pdf/metrism-report_en.pdf) (Accessed October 29, 2013).
35. Evaluation of the impact of the Framework Programme on the formation of the ERA in Social Sciences and the Humanities (SSH) [ftp://ftp.cordis.europa.eu/pub/fp7/ssh/docs/evaluation-fp-ssh\\_en.pdf](ftp://ftp.cordis.europa.eu/pub/fp7/ssh/docs/evaluation-fp-ssh_en.pdf) (Accessed October 29, 2013), pp. 62, 74.
36. <http://www.eash.eu/openletter2011/>.
37. <http://www.era.gv.at/attach/ST10663.EN12.pdf> (Accessed January 15, 2014).
38. Máire Geoghegan-Quinn in a speech 'Horizons for Social Sciences and Humanities', Vilnius, September 2013 [http://europa.eu/rapid/press-release\\_SPEECH-13-740\\_en.htm](http://europa.eu/rapid/press-release_SPEECH-13-740_en.htm) (Accessed January 11, 2014).
39. See e.g. Radder (2010).
40. Hyvönen (2013) p. 98.
41. Hasselberg (2013) p. 139.
42. Nybom (2013) esp. p. 26ff. Except in the EU itself, this trend is visible in many research policy documents, e.g. from the Netherlands, France, UK, Sweden, Norway, and Denmark. See <http://www.nwo.nl/en/our-ambitions;> <http://www.agence-nationale-recherche.fr/Intl>; <http://www.ahrc.ac.uk/News-and-Events/News/Documents/AHRC-Strategy-2013-18.pdf>; [http://www.forskningsradet.no/en/Main\\_strategy\\_of\\_the\\_Research\\_Council/1185261825635](http://www.forskningsradet.no/en/Main_strategy_of_the_Research_Council/1185261825635).
43. Nowotny, op.cit.
44. <http://horizons.mruni.eu/> (Accessed December 30, 2013).



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