

Documents in Sample

1. **International Consultant reports (9)**

- ACCENTURE LABS. 2018. Understandable AI: Explaining Machines. Accenture. Available at https://www.accenture.com/_acnmedia/pdf-85/accenture-understanding-machines-explainable-ai.pdf
- EY 2014. Big risks require big data thinking. Global Forensic Data Analytics Survey 2014. EY Fraud Investigation and Disputes Service. Available at www.ey.com/fids
- GARTNER 2019. The CIO's Guide to Artificial Intelligence. Gartner. Feb 2019. Available at <https://www.gartner.com/smarterwithgartner/the-cios-guide-to-artificial-intelligence/>
- IBM. 2018. The AI-Enhanced customer experience. IBM Institute for Business Value. Available at ibm.com/ibmix
- IBM 2019. Everyday Ethics for Artificial Intelligence. Available at ibm.biz/everydayethics
- HENKE, N., BUGHIN, J., CHUI, M., et AL. (2016) *The Age of Analytics: Competing in a Data-Driven World*. McKinsey Global Institute. Feb., 2019. Available at <https://www.mckinsey.com/business-functions/mckinsey-analytics/our-insights/the-age-of-analytics-competing-in-a-data-driven-world>
- MCKINSEY. 2018. Notes from the AI Frontier: Insights from hundreds of use cases. Discussion paper
- MANYIKA, J., CHUI, M., BROWN, B., BUGHIN, J., DOBBS, R., ROXBURGH, C. & HUNG BYERS, A. 2011. Big Data: The Next Frontier for Innovation, Competition, and Productivity. McKinsey Global Institute.
- PWC. 2017. Sizing the Prize: What's the real value of AI for your business and how can you capitalise?

2. **European Commission and other agencies (4)**

- EC 2018. Artificial Intelligence for Europe. *European Commission COM (2018) 237*. Brussels: EC.
- EGE. 2018. Statement on Artificial Intelligence, Robotics and 'Autonomous Systems'. European Group on Ethics in Science and New Technologies. Brussels: European Commission.
- AI HLEG. 2018. Draft *Ethics Guidelines for Trustworthy AI*, High-Level Expert Group on Artificial Intelligence, Brussels: European Commission.
- AI HLEG. 2019. *Ethics Guidelines for Trustworthy AI*, High-Level Expert Group on Artificial Intelligence, Brussels: European Commission.

3. **UK and Ireland government & policy reports (8)**

- IRL FORFÁS & Expert Group on Future Skills Needs. 2014. Assessing the Demand for Big Data and Analytics Skills, 2013 - 2020. Dublin: Forfás.
- IRL INTERDEPARTMENTAL COMMITTEE ON SCIENCE, TECHNOLOGY AND INNOVATION, 2015. Innovation 2020. Excellence Talent Impact. Dublin: Government of Ireland.
- IRL DEPARTMENT OF BUSINESS, Enterprise and Innovation 2018. Research Priority Areas 2018-2022. Dublin: Government of Ireland.
- UK DEPARTMENT OF DIGITAL, CULTURE, MEDIA AND SPORT 2018. Centre for Data Ethics and Innovation. Government Response to Consultation. London: UK Government.
- UK DEPARTMENT FOR BUSINESS, ENTERPRISE AND INDUSTRIAL STRATEGY. 2016. Enabling a World Leading Regional Digital Economy through Data Driven Innovation. Edinburgh and South East Scotland City Region. Edinburgh: Scottish Government.
- UK TREASURY, HM. 2018. The economic value of Data: A discussion paper. London: UK Government
- UK OFFICE, CABINET. 2015. Draft framework for Data Science Ethics. London.
- UK HLSCAI 2018. *AI in the UK: Ready, Willing, and Able? Report of Session 2017-19*. Westminster, London: House of Lords Select Committee on Artificial Intelligence.

4. **Expert Consultations – (6)**

- ROYAL SOCIETY, 2017. Machine Learning: The power and promise of computers that learn by example. London: The Royal Society
- ROYAL SOCIETY, 2018. Portrayals and Perceptions of AI and why they matter. London: The Royal Society.
- UK COMMISSION, NATIONAL INFRASTRUCTURE 2017. Data for the Public Good. London: National Infrastructure Commission.
- UK DEPARTMENT FOR DIGITAL, CULTURE, MEDIA AND SPORT, 2018. Centre for Data Ethics and Innovation. Consultation London: UK Government.
- UK NESTA 2014 Model Workers. How leading companies are recruiting and managing their data talent. NESTA, Creative Skillset, Royal Statistical Society.
- IRL RESEARCH PRIORITISATION STEERING GROUP. 2011 Report of the Research Prioritisation Steering Group. Dublin: Forfás and DBEI.

5. Public surveys (6)

EUROBAROMETER, 2015. Autonomous Systems. *Special Eurobarometer 427*. Brussels: European Commission.

EUROBAROMETER, 2017 *Attitudes towards the impact of digitisation and automation on daily life*, No. 460, Brussels: European Commission.

IPSOS/MORI, 2017 *Public views of machine learning*. Royal Society, London: UK.

IPSOS/MORI 2016. Public Dialogue on ethics of data science in government London: UK Government Data Science Partnership.

SFI, 2015. Science in Ireland Barometer. Dublin: SFI.

COMMISSIONER, IRISH DATA PROTECTION. 2013. Public Awareness Survey 2013. Dublin Data Protection Commissioner.

6. Professional Guidelines (3)

ACM Code of Ethics and Professional Conduct (1992) Association for Computing Machinery (ACM) available at <http://ethics.acm.org/code-of-ethics>

ACM Code of Ethics and Professional Conduct (2018) Association for Computing Machinery (ACM) available at <https://www.acm.org/code-of-ethics>

IEEE 2019 Ethically Aligned Design: A Vision for Prioritizing Human Well-being with Autonomous and Intelligent Systems, First Edition (EAD1e).

7. Workers and Whistleblowers (5)

BRELAND, A. 2018. "Amazon employees protest sale of facial recognition tech to law enforcement". *The Hill*. Washington DC: Capitol Hill Publishing Corporation. Available at <https://thehill.com/business-a-lobbying/393583-amazon-employees-protest-sale-of-facial-recognition-tech-to-law>

CADWALLADR, C. & GRAHAM-HARRISON, E. 2018. "Revealed: 50 million Facebook profiles harvested for Cambridge Analytica in major data breach". *The Guardian*, Sat 17 Mar 2018. Available at <https://www.theguardian.com/news/2018/mar/17/cambridge-analytica-facebook-influence-us-election>

NEWTON, C. 2019. "The Trauma Floor". *The Verge*. Washington DC and New York: Vox Media. Available at <https://www.theverge.com/2019/2/25/18229714/cognizant-facebook-content-moderator-interviews-trauma-working-conditions-arizona>

O'CONNELL, J. 2019. "Facebook's dirty work in Ireland: 'I had to watch footage of a person being beaten to death'". *The Irish Times* 30th March, 2019. Available at <https://www.irishtimes.com/culture/tv-radio-web/facebook-s-dirty-work-in-ireland-i-had-to-watch-footage-of-a-person-being-beaten-to-death-1.3841743>

WHITE, J. B. 2018. "Google ditches contract with US military after employee revolt". *The Independent*. London: Independent News and Media Ltd. Available at <https://www.independent.co.uk/life-style/gadgets-and-tech/news/google-project-maven-cancelled-military-ai-drones-pentagon-a8379821.html>]

Total = 41

Respondents to Survey

Factor	Category	Frequency
Gender	Male	91 (55.5%)
	Female	72 (43.9%)
	Other	1 (0.6%)
Age	Under 18 Years	2 (1.2%)
	18-24 Years	58 (35.4%)
	25-34 Years	61 (37.2%)
	35-44 Years	19 (11.6%)
	45-64 Years	21 (12.8%)
	65 Years or Older	3 (1.8%)
Cultural Background	White Irish	51 (31.3%)
	White Irish Traveller	3 (1.8%)
	Other White Background	84 (51.5%)
	Black Irish, Black African	0
	Other Black Background	3 (1.8%)
	Chinese Irish	1 (0.6%)
	Other Asian Background	9 (5.5%)
	Other Including Mixed Background	12 (7.4%)
Religion	Roman Catholic	33 (21.9%)
	Church of Ireland	1 (0.7%)
	Other Christian	12 (7.9%)
	Islam	1 (0.7%)
	Jewish, Hindu, Buddhist	0
	No Religion	95 (62.9%)
	Other	9 (6%)
Highest Educational Attainment	Primary or Below	3 (2%)
	Lower Secondary (junior certificate or equivalent)	1 (0.7%)
	Upper Secondary (leaving certificate or equivalent)	15 (10%)
	Post-Secondary (not third-level)	26 (17.3%)
	Third Level Degree or Higher	105 (70%)
Employment	Full-time employee	73 (49%)
	Part-time employee	27 (18.1%)
	Self-employed	14 (9.4%)
	Unemployed	19 (12.8%)
	Not available for work	16 (10.7%)
Industry If Employed	Agriculture, Mining, Quarrying, Forestry and Fishing	1 (0.8%)
	Construction	1 (0.8%)
	Manufacturing	2 (1.6%)
	Transportation, Electric, Gas, and Sanitary Service	4 (3.1%)
	Information and Communication	21 (16.3%)
	Finance, Insurance, and Real Estate	6 (4.7%)
	Education	28 (21.7%)
	Arts, Entertainment and Recreation	16 (12.4%)
	Other Services	17 (13.2%)
	Public Administration	4 (3.1%)
	None of the above	29 (22.5%)
Annual Income	Less than €15,000	42 (31.6%)
	€15,000 < €25,000	17 (12.8%)
	€25,000 < €35,000	17 (12.8%)
	€35,000 < €45,000	13 (9.8%)
	€45,000 < €55,000	10 (7.5%)
	€55,000 < €65,000	6 (4.5%)
	€65,000 < €75,000	11 (8.3%)
	€75,000 or more	17 (12.8%)