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## NEUROBRANDING RESEARCH: ETHICAL ISSUES

In modern competitive conditions, the intensification of the struggle between manufacturers and sellers for the attention of consumers determines the need to search for new research methods that, paired with traditional ones, would allow more effectively investigating the nature of consumer behavior in the process of making a purchase decision in order to offer the most customer-oriented and appropriate product. The active development and application of new neuromarketing and neurobranding research, on the one hand, will contribute to more efficient production and sale of goods, but on the other hand, it creates problems not only of a technological, temporary and financial, but also of a personalized nature, since such research requires a deeper study of brain activity and cognitive behavior. The article considers the possibility of applying neuromarketing and neurobranding research taking into account the ethical component. The terminological apparatus, approaches and ethical problems faced by researchers are considered. Potential categories of vulnerable individuals are presented. It is proposed to consider ethical features in the process of neuroexamination through the prism of the triad of subjects of interested parties. The author's mechanism of conducting neurobranding research is presented. It is determined that the most important task facing beneficiaries and researchers is to comply with ethical principles: in the storage and protection of personal data, ensuring an appropriate level of neuro-competence, leveling possible misinterpretation and discrediting of the results of neurobranding research, to exclude manipulation by consumers.

*Keywords:* neuroethics, neuromarketing research, neurobranding, ethics of neurobranding, beneficiary, researcher, consumer.

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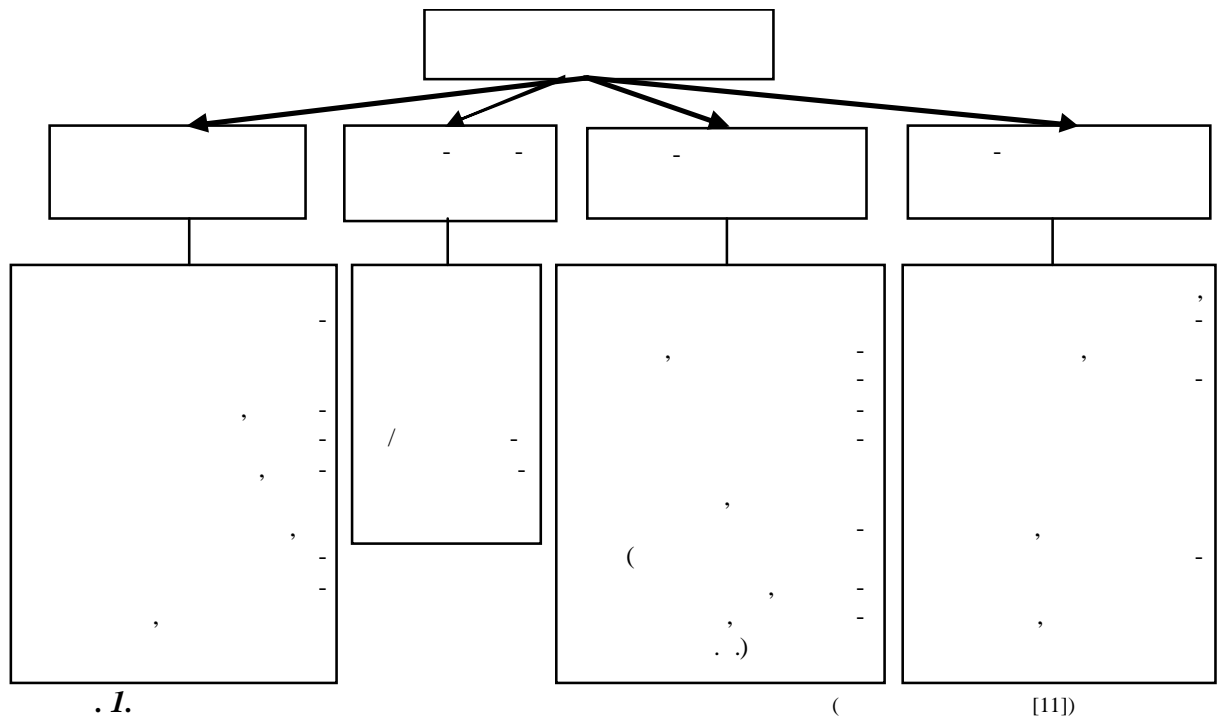
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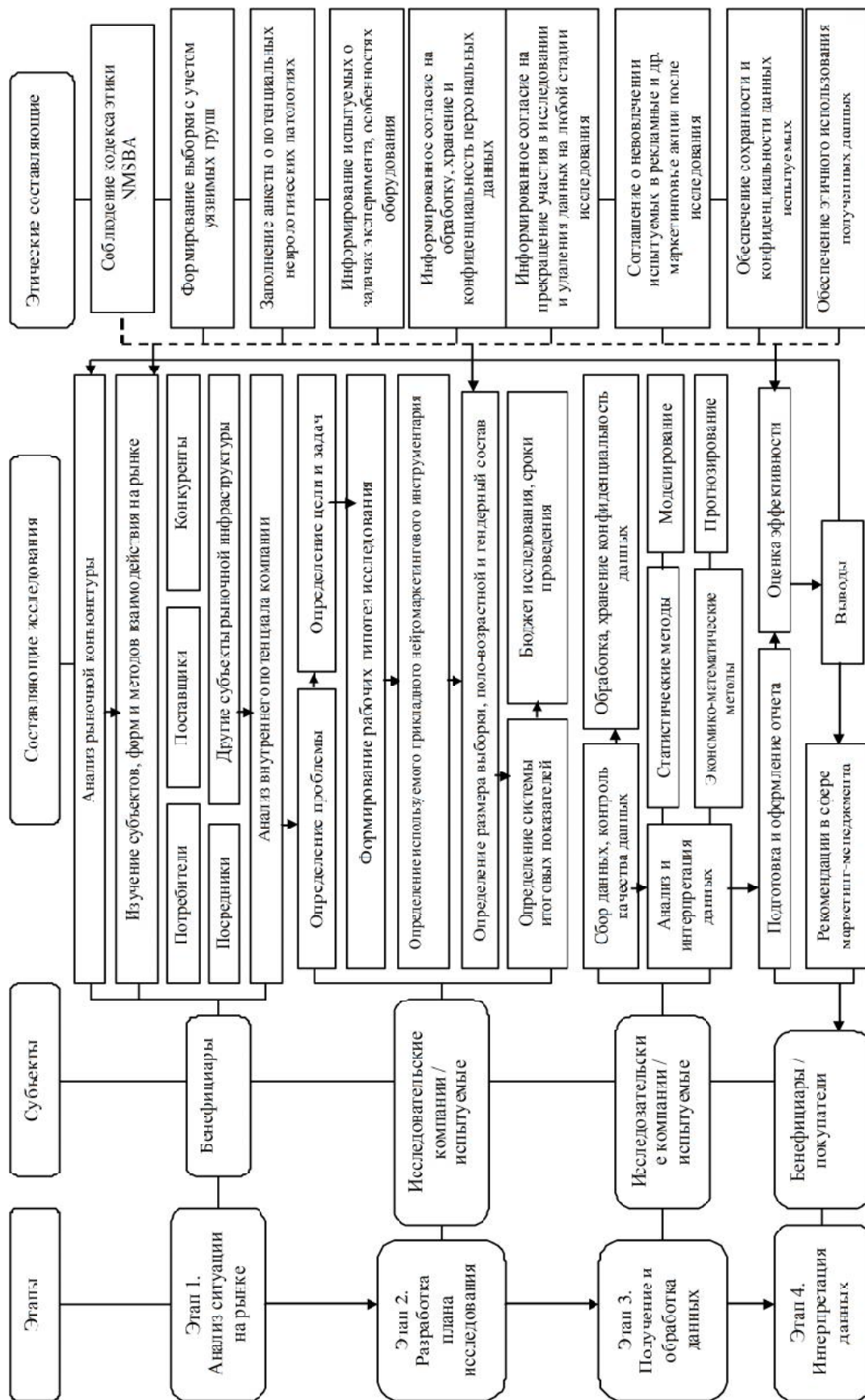
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1. Sheth J.N. Does marketing need reform? Fresh perspectives on the future / J.N. Sheth, R.S. Sisodia. Taylor & Francis, 2006. — 360 . — DOI: 10.4324/9781315705118.

2. // . — 2007. — 4 (4). — .32–35. : Homo Economicus Homo Cognitivos



.2.

3. Andrew R. Thomas. Ethics and Neuromarketing / Andrew R. Thomas, Nicolae Alexandru Pop, Ana Maria Iorga, Cristian Ducu. — Springer International Publishing Switzerland, 2017. — 209 p. — DOI 10.1007/978-3-319-45609-6.
4. Fisher C.E. Defining neuromarketing: practices and professional challenges / C.E. Fisher, L. Chin, R. Klitzman // Harvard Review of Psychiatry. — 2010. — 18 (4). — p. 230–237.
5. Fisher C.E. Defining neuromarketing: practices and professional challenges / C.E. Fisher, L. Chin, R. Klitzman // Harvard Review of Psychiatry. — 2010. — 18 (4). — p. 230–237.
6. Ulman YI. Ethical issues in neuromarketing: I consumer, therefore I am! / YI. Ulman, T. Cakar, G. Yildiz // Science and Engineering Ethics. — 2015. — 21 (5). — p. 1271–1284.
7. Ichindelean (Beca) M.T. Neuromarketing research: ethics, procedures and perceptions of parties involved / M.T. Ichindelean (Beca) // Bulletin of Taras Shevchenko National University of Kyiv. Economics. — 2019. — 4 (205). — p. 40–46.
8. Ichindelean (Beca) M.T. Neuromarketing research: ethics, procedures and perceptions of parties involved / M.T. Ichindelean (Beca) // Bulletin of Taras Shevchenko National University of Kyiv. Economics. — 2019. — 4 (205). — p. 40–46.
9. Ichindelean (Beca) M.T. Neuromarketing research: ethics, procedures and perceptions of parties involved / M.T. Ichindelean (Beca) // Bulletin of Taras Shevchenko National University of Kyiv. Economics. — 2019. — 4 (205). — p. 40–46.
10. Ichindelean (Beca) M.T. Neuromarketing research: ethics, procedures and perceptions of parties involved / M.T. Ichindelean (Beca) // Bulletin of Taras Shevchenko National University of Kyiv. Economics. — 2019. — 4 (205). — p. 40–46.
11. Ichindelean (Beca) M.T. Neuromarketing research: ethics, procedures and perceptions of parties involved / M.T. Ichindelean (Beca) // Bulletin of Taras Shevchenko National University of Kyiv. Economics. — 2019. — 4 (205). — p. 40–46.
12. Ichindelean (Beca) M.T. Neuromarketing research: ethics, procedures and perceptions of parties involved / M.T. Ichindelean (Beca) // Bulletin of Taras Shevchenko National University of Kyiv. Economics. — 2019. — 4 (205). — p. 40–46.
13. Ichindelean (Beca) M.T. Neuromarketing research: ethics, procedures and perceptions of parties involved / M.T. Ichindelean (Beca) // Bulletin of Taras Shevchenko National University of Kyiv. Economics. — 2019. — 4 (205). — p. 40–46.
14. Murphy E. Neuroethics of neuromarketing / E. Murphy, I. Judy, P.B. Reiner // Journal of Consumer Behaviour. — 2008. — 7. — p. 293–302.
15. Roskies A. Neuroethics for the new millennium / A. Roskies // Neuron. — 2002. — 35. — p. 21–23.
16. Pop N.A. The marketing mentality within the organisation — a comparative study between companies and non-profit organisations in Romania / N.A. Pop, M.D. Todor, C.V. Partenie // Annals of the University of Oradea: Economic Science. — 2015. — 1 (1). — p. 1260–1268.
17. Kotler P. Marketing moves: a new approach to profit, growth and renewal / P. Kotler, D. Jain, S. Maesincee. — Harvard: Harvard Business School, 2002. — 193 p.
18. Hunt S.D. The commitment—trust theory of relationship marketing / S.D. Hunt, R.M. Morgan // Journal of Marketing. — 1994. — 58 (3). — p. 20–38.
19. Lambin J.J. Marketing stratégique et opérationnel. La démarche marketing dans l'économie numérique / J.J. Lambin, J. de Moerloose. — Dunod, Paris, 2016. — 608 p.
20. Logothetis N.K. What we can do and what we cannot do with fMRI / N.K. Logothetis // Nature. — 2008. — 45 (6976). — p. 869–878.
21. Olteanu MDB. Neuroethics and responsibility in conducting neuromarketing research / MDB. Olteanu // Neuroethics. — 2015. — 8 (2). — p. 191–202.
22. Pop N.A. Ethical responsibility of neuromarketing companies in harnessing the market research — a global exploratory approach / N.A. Pop, D.-C. Dabija, A. Iorga // Amfiteatru Economic. — 2014. — 16 (35). — p. 26–40.
23. Weisstub D.N. The ethical parameters of experimentation. In: Weisstub DN (ed) Research on human subjects: ethics / D.N. Weisstub // Law and social policy. Pergamon, Oxford. — 1998. — p. 1–35.
24. Council for International Organizations of Medical Sciences International ethical guidelines for biomedical research involving human subjects. Guideline 13, 2002 [Electronic Resource]. — Access mode: [www.cioms.ch/publications/guidelines/guidelines\\_nov\\_2002\\_blurb.htm](http://www.cioms.ch/publications/guidelines/guidelines_nov_2002_blurb.htm) (date of the application: 6–8.12.2022).
25. European textbook on ethics in research. European Commission, Directorate-General for Research Communication Unit, Brussels. 2010 [Electronic Resource]. — Access mode: [ec.europa.eu/research/science-society/document\\_library/pdf\\_06/textbook-on-ethics-report\\_en.pdf](http://ec.europa.eu/research/science-society/document_library/pdf_06/textbook-on-ethics-report_en.pdf) (date of the application: 6–8.12.2022).
26. Bielby P. Competence and vulnerability in biomedical research / P. Bielby. — Springer, 2008. — 248 p.
27. NMSBA Code of Ethics, 2016. [Electronic Resource]. — Access mode: [www.nmsba.com/buyingneuromarketing/code-of-ethics](http://www.nmsba.com/buyingneuromarketing/code-of-ethics) (date of the application: 6–8.12.2022).
28. Keegan W.J. Global marketing management / W.J. Keegan. — Boston: Pearson, 2014. — 480 p.

#### SPISOK LITERATURY

1. Sheth J.N. Does marketing need reform? Fresh perspectives on the future / J.N. Sheth, R.S. Sisodia. Taylor & Francis, 2006. — 360 p. — DOI: 10.4324/9781315705118.

2. Velichkovskiy B.M. Mezhdistsiplinarnyye issledovaniya soznaniya: ot Homo Economicus k Homo Cognitivos / B.M. Velichkovskiy // Forsayt. — 2007. — 4 (4). — S. 32–35.
3. Andrew R. Thomas. Ethics and Neuromarketing / Andrew R. Thomas, Nicolae Alexandru Pop, Ana Maria Iorga, Cristian Ducu. — Springer International Publishing Switzerland, 2017. — 209 . — DOI 10.1007/978-3-319-45609-6.
4. Chernova M.A. Neyromarketing: k voprosu ob eticheskoy sostavlyayushchey / M.A. Chernova, O.Ye. Klepikov // Natsional'nyy psikhologicheskyy zhurnal. — 2012. — 1 (7). — S. 139–142.
5. Fisher C.E. Defining neuromarketing: practices and professional challenges / C.E. Fisher, L. Chin, R. Klitzman // Harvard Review of Psychiatry. — 2010. — 18 (4). — . 230–237.
6. Ulman YI. Ethical issues in neuromarketing: I consumer, therefore I am! / YI. Ulman, T. Cakar, G. Yildiz // Science and Engineering Ethics. — 2015. — 21 (5). — . 1271–1284.
7. ichindelean (Beca) M.T. Neuromarketing reseache: ethics, procedures and perceptions of parties involved / M.T. ichindelean (Beca) // Bulletin of Taras Shevchenko National University of Kyiv. Economics. — 2019. — 4 (205). — . 40–46.
8. Firsanova O.V. O metodologicheskikh granitsakh predmeta sovremennoy ekonomicheskoy nauki / O.V. Firsanova // Intellect. Innovatsii. Investitsii. — 2016. — 9. — S. 4–7.
9. Likhter P.L. Neyromarketing i svoboda voli v grazhdanskom prave / P.L. Likhter // Vestnik Rossiyskogo universiteta druzhby narodov. Seriya: Yuridicheskiye nauki. — 2020. — T. 24. 3. — S. 658–672. — DOI: 10.22363/2313-2337-2020-24-3-658-672.
10. Sidorova T.A. Neyroetika mezhdru etikoy i moral'yu / T.A. Sidorova // Idei i Idealy. — 2018. — 2 (36). T. 1. — S. 75–99.
11. Bryzgalina Ye.V. Neyroetika: diskussii o predmete / Ye.V. Bryzgalina, A.N. Gumarova // Epistemologiya i filosofiya nauki — 2022. — T. 59. 1. — S. 136–153.
12. Mitina E.A. Neyroetika: vyyavleniye eticheskikh problem pri provedenii neyromarketingovykh issledovaniy / E.A. Mitina // Nauchnyy vestnik: finansy, banki, investitsii. — 2022. — 2. — S. 144–151.
13. Mukhamedova Z.M. Neyrobioetika i iskusstvennyy intellekt / Z.M. Mukhamedova // Academic research in educational sciences. TSDI & TMA (International Conference). — 2022. — S. 58–63
14. Murphy E. Neuroethics of neuromarketing / E. Murphy, I. Judy, P.B. Reiner // Journal of Consumer Behaviour. — 2008. — 7. — . 293–302.
15. Roskies A. Neuroethics for the new millenium / A. Roskies // Neuron. — 2002. — 35. — . 21–23.
16. Pop N.A. The marketing mentality within the organisation — a comparative study between companies and non-profit organisations in Romania / N.A. Pop, M.D. Todor, C.V. Partenie // Annals of the University of Oradea: Economic Science. — 2015. — 1 (1). — . 1260–1268.
17. Kotler P. Marketing moves: a new approach to profit, growth and renewal / P. Kotler, D. . Jain, S. Maesincee. — Harvard: Harvard Business School, 2002. — 193 .
18. Hunt S.D. The commitment—trust theory of relationship marketing / S.D. Hunt, R.M. Morgan // Journal of Marketing. — 1994. — 58 (3). — . 20–38.
19. Lambin J.J. Marketing strat gique et op rationnel. La d marche marketing dans l' conomie num rique / J.J. Lambin, . de Moerloose. — Dunod, Paris, 2016. — 608 .
20. Logothetis N.K. What we can do and what we cannot do with fMRI / N.K. Logothetis // Nature. — 2008. — 45 (6976). — . 869–878.
21. Olteanu MDB. Neuroethics and responsibility in conducting neuromarketing research / MDB. Olteanu // Neuroethics. — 2015. — 8 (2). — . 191–202.
22. Pop N.A. Ethical responsibility of neuromarketing companies in harnessing the market research — a global exploratory approach / N.A. Pop, D.-C. Dabija, A. Iorga // Amfiteatru Economic. — 2014. — 16 (35). — . 26–40.
23. Weisstub D.N. The ethical parameters of experimentation. In: Weisstub DN (ed) Research on human subjects: ethics / D.N. Weisstub // Law and social policy. Pergamon, Oxford. — 1998. — . 1–35.
24. Council for International Organizations of Medical Sciences International ethical guidelines for biomedical research involving human subjects. Guideline 13, 2002 [Electronic Resource]. — Access mode: [www.cioms.ch/publications/guidelines/guidelines\\_nov\\_2002\\_blurb.htm](http://www.cioms.ch/publications/guidelines/guidelines_nov_2002_blurb.htm) (date of the application: 6–8.12.2022).
25. European textbook on ethics in research. European Commission, Directorate-General for Research Communication Unit, Brussels. 2010 [Electronic Resource]. — Access mode: [ec.europa.eu/research/science-society/document\\_library/pdf\\_06/textbook-on-ethics-report\\_en.pdf](http://ec.europa.eu/research/science-society/document_library/pdf_06/textbook-on-ethics-report_en.pdf) (date of the application: 6–8.12.2022).
26. Bielby P. Competence and vulnerability in biomedical research / P. Bielby. — Springer, 2008. — 248 p.
27. NMSBA Code of Ethics, 2016. [Electronic Resource]. — Access mode: [www.nmsba.com/buyingneuromarketing/code-of-ethics](http://www.nmsba.com/buyingneuromarketing/code-of-ethics) (date of the application: 6–8.12.2022).
28. Keegan W.J. Global marketing management / W.J. Keegan. — Boston: Pearson, 2014. — 480 .

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