

Full text in Russian: [Корнеев А.А., Рассказова Е.И., Кричевец А.Н., Койфман А.Я. Критика методологии проверки нулевой гипотезы: ограничения и возможные пути выхода. Часть I](#)

Lomonosov Moscow State University, Moscow, Russia

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The most common mistakes in using of Null-hypothesis significance testing (NHST) as a mean of data analysis in psychology are disclosed in the article. Several levels of criticism of NHST in recent publications are described: the level of presuppositions and main procedures of the approach; the level of social implication and after-effect; the level of psychological interpretation of statistical results. The main alternative proposals are analyzed. The preliminary conclusion is that not procedures of single study evaluation have to be changed but new structure of evaluation and comparison different researches results must be developed in the society.

Keywords: null hypothesis significance testing, statistical inference, p-value, meta-analysis

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Received 12 August 2015. Date of publication: 28 February 2016.

### [About authors](#)

Korneev Aleksei A. Ph.D., Senior Research Associate, Laboratory of Neuropsychology, Faculty of Psychology, Lomonosov Moscow State University, ul. Mokhovaya, 11–9, 125009 Moscow, Russia; Senior Research Associate, Laboratory of Neurophysiology of Cognitive Processes, Institute of Developmental Physiology, Russian Academy of Education, ul. Pogodinskaya, 8–2, 119121 Moscow, Russia.  
E-mail: korneeff@gmail.com

Rasskazova Elena I. Ph.D., Associate Professor, Faculty of Psychology, Lomonosov Moscow State University, ul. Mokhovaya, 11–9, 125009 Moscow, Russia; Senior Research Associate, Mental Health Research Center, Russian Academy of Medical Sciences, Kashirskoe shosse, 34, 115522 Moscow, Russia.  
E-mail: e.i.rasskazova@gmail.com

Krichevets Anatoly N. Ph.D., Professor, Department of Methodology of Psychology, Faculty of Psychology, Lomonosov Moscow State University, ul. Mokhovaya, 11–9, 125009 Moscow, Russia.  
E-mail: ankrich@mail.ru

Koyfman Aleksandra Ya. Psychologist, Department of Educational Psychology, Faculty of Psychology, Lomonosov Moscow State University, ul. Mokhovaya, 11–9, 125009 Moscow, Russia.  
E-mail: skoyfman@gmail.com

### [Suggested citation](#)

Korneev A.A., Rasskazova E.I., Krichevets A.N., Koyfman A.Ya. Criticism of Null Hypothesis

Significance Testing: Limitations and Possible Ways Out. Part I. *Psikhologicheskie*

Issledovaniya, 2016, Vol. 9, No. 45, p. 1. <http://psystudy.ru> (in Russian, abstr. in English).

Permanent URL: <http://psystudy.ru/index.php/eng/2016v9n45e/1243-korneev45e.html>

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