

# N. Kano Model: Selection of the Development Directions of Testing Laboratory

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**Citation:** Nikolaeva N.G., Ismailova R.N. N. Kano Model: Selection of the Development Directions of Testing Laboratory, *Kompetentnost' / Competency (Russia)*, 2021, no. 1, pp. 44–51. DOI: 10.24411/1993-8780-2021-10107

## key words

innovation, N. Kano model, customer satisfaction, testing laboratories

We believe that in modern conditions, organizations, in order to remain competitive, must not only produce high-quality products or provide a service, but also anticipate the wishes of consumers, using various improvements, including innovations. We have shown the prospects of using the N. Kano method on the example of our testing laboratory. This laboratory has been operating since 2016, and we have already formed a circle of consumers, effective communication with whom was the result of effective work using the N. Kano method. We have considered the basic stages of realization of this method, namely: the preparation of the study, developing the questionnaire, conducting the survey, primary processing of results, the filling frequency tables, analysis of results and mapping of customer satisfaction. The analysis allowed us to identify promising areas of innovative development of our testing laboratory, which will undoubtedly contribute to the improvement of its activities.

## References

1. Pascua J. C. 20 Product Prioritization Techniques: A Map and Guided Tour; <https://foldingburritos.com/product-prioritization-techniques/>.
2. Amine Kh. General executive stages of customer satisfaction in accordance with ISO 9001, *Technological audit and production reserves*, 2014, no. 1(5), pp. 4–6.
3. Tebekin A.V. N. Kano's model of consumer satisfaction as a basis for the development of the concept of an innovative approach to management in the 1990s, *Business strategies*, 2019, no. 7, pp. 21–27.
4. Japanese and California-based Kano model; <https://habr.com/ru/company/wrike/blog/490704/>.
5. GOST R ISO 13053-2-2015 Statistical methods. Quantitative methods in process improvement Six Sigma. Part 2. Methods, Moscow, Standartinform, 2016.

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Архипов А.В., Маркин А.А.

### Проверка и калибровка средств измерений механических характеристик материалов. Часть 1

Учебное пособие — М.: ACMC, 2020

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