

# Accelerating the development of data scientists

**The global shortage of data scientists has been and is expected to be a major issue for corporates, as companies depend on their specific skills to successfully achieve digital transformation.**

The shortage stems on the one hand from a lack of appropriately trained data scientists, as well as from high demand for their skills. To address this shortage within its own company, in summer [2018 Hitachi launched an initiative](#) to develop skills requirements and training programs to increase the number of its data scientists from currently 700 to 3,000 by March 2022.

Countries globally are facing a shortage in trained data scientists. In Japan only, an additional 30,000 scientists will be needed for 2018 to meet the demand, and this number is estimated to increase to 48,000 by 2020. Due to the pressing scarcity of data scientist, Hitachi is not only developing training programs, it also launched a Professional Community internally in which top-class scientists and people in charge of actual business in various fields train and support each other on issues

related to AI and other technologies as well as problem solving methods. Hitachi will also contribute to the development of data scientists beyond its own company, by sharing the skills requirements and training programs developed through these initiatives with its customers and partners and allowing them to make effective use of them.

To further optimize employability of its employees Hitachi also launched a program for internal certification of high-level IT professionals, conforming with the standards of the Information Processing Society of Japan, and is heavily investing to add business knowledge, IT and advanced AI technologies from top-class scientists to the employees' competences.

With activities like these, Hitachi develops the skills and employability of its own employees and contributes to bridging the skills gap in the broader labor market.