

05 October 2022

## **National Statistics Award**

### **The INE awards the National Statistics Prize to Enrique Castillo Ron**

#### **The winner has dedicated his life to the teaching, research and dissemination of statistics**

The National Statistics Institute (INE) awarded the 2022 National Statistics Prize to Enrique Castillo Ron, honorary professor at the University of Castilla-La Mancha and previously Professor of Applied Mathematics at the University of Cantabria, in recognition of his professional career and his contribution and work in the field of statistics.

The jury highlighted his contributions in the statistical theory of extreme values of continuous distributions and their applications in the field of civil engineering, as well as the development of complex models from a probabilistic perspective.

Professor Castillo has 50 years of teaching experience at three important Spanish universities, in which he has held different positions of responsibility and played an important role in the start of the Caminos de Cantabria and Castilla-La Mancha schools.

In addition to leading research groups and doctoral programs, he has collaborated with doctoral programs at 12 universities and has directed 42 doctoral theses, 40% written by women.

#### **Extreme values and reliability analysis**

He is recognized for notable theoretical advances in a wide variety of fields of statistics (extreme value theory, conditional specification of distributions, fatigue models, probabilistic risk and security analysis, artificial intelligence and machine learning) and in practical applications in different disciplines (traffic safety on railway lines and highways, safety in nuclear power plants, material fatigue and rheological problems), all while promoting dissemination and application for the benefit of society.

He is considered one of the fathers of extreme value statistics and reliability analysis in civil infrastructure, applied in the field of hydraulic engineering and in the reliability analysis of maritime works.

He is the Spanish researcher with the highest *h-Index* in the Statistics and Probability Area, and the second highest in Civil Engineering. In 2010, he was awarded the Leonardo Torres Quevedo National Prize for Engineering Research and he has been named Doctor Honoris Causa by various Spanish and foreign universities.

He is also a Full Academician of the Royal Academies of Exact, Physical and Natural Sciences and of Engineering and a member of the Higher Council of Statistics.

The National Statistics Award is convened annually for experts of Spanish nationality whose work and scientific contribution constitutes an eminent contribution to the progress of Statistics that is internationally recognized and regardless of the country in which it was carried out.

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