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Universidad Politécnica de Valencia

Escuela Técnica Superior de Ingeniería Informática

Statistical Study of the

StackOverflow’s Survey 2022

for the Iberian Peninsula.

Logo, company name

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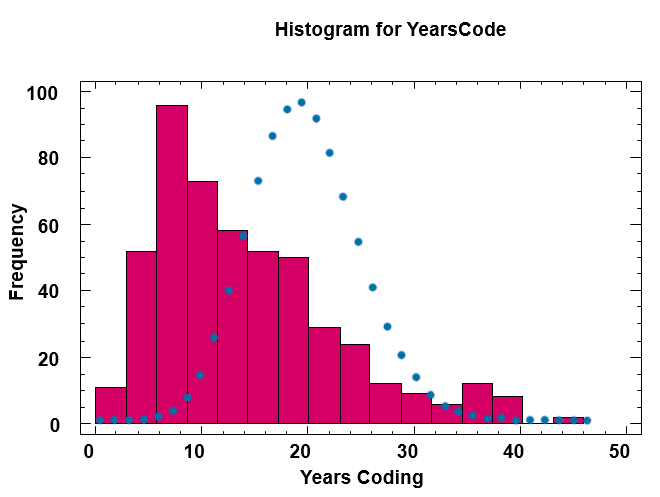
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**Discrete and continuous distributions**

**17.1 Simulate a Poisson variable with the same average as “YearsCode”. Place the graphic of the density function of the new variable and the Histogram for “YearsCode”. Get conclusions from the graphics.**

Since the only discrete variables are not suitable for this kind of analysis, the Poisson variable method was chosen for this exercise.

The average value for the variable **YearsCode** is 14,2388663968. Truncated, would be a value of **14,238.**



PICTURE 23: Poisson Mass/Density with Histogram graphic for YearsCode variable

**18.1 For two continuous variables whose distribution is not normal, study the best fitting model of distribution. Place the graphic and discuss the conclussions.**