

## **Problem Determination**

Live performances represent any play, show, skit, dance, or other exhibition performed in order to entertain an audience. This way, many artists, music bands, recreative groups and theatre companies depend on the number of live shows that they are able to perform and, consequently, on the box office revenue that they produce.

In the past few years, those workers have suffered from several ups and downs in what concerns their salary with the pandemic playing a major role in this problem. With this in mind, many live performance workers have seen their career on the line and, as they were frustrated with the impossibility of doing their shows, some funds were asked to the European Union to fulfil the lack of revenue coming from non-existent sessions.

With this being said, we will use Portugal as our case-study since it is our home country and we can easily get good data in an open source database. Thus, we will try to figure out how the box office revenue of live performances evolved (as well as its econometric determinants) in the last 22 years and we will also try to predict how it will be in 2021, according to several variables.