

## Final Report - Transforming FÉL306G Statistics I into a high-flex course by adding pre-recorded instruction video

The Kennslumálasjóður grant awarded in 2022 was utilized to produce 19 instructional videos on the use of Jamovi, a free statistical software package. Historically, our teaching in the Sociology department has relied on SPSS for statistical instruction. However, due to various technical challenges, we transitioned to Jamovi, a modern software platform built on R. Despite its growing popularity, Jamovi still lacks extensive (written) resources, particularly in Icelandic. While there are tutorial videos available on YouTube, no Icelandic-language instructional materials existed at the time. This gap was especially notable among undergraduate students, who expressed a strong need for localized instructional content.

To address this need, I collaborated with Julita Figlarska, an MA student in Methodology at the time, to develop a comprehensive list of topics for the videos. With the help of a borrowed microphone from Gréttir Sigurjónsson, Julita recorded the tutorials. We selected a retro dataset from 1968, on Children and Television in Iceland, as the basis for these tutorials, ensuring that the dataset remains timeless and broadly applicable.

The result was the creation of 19 concise instructional videos available on Canvas:





















**Figure 1:** Example of a short Jamovi instruction video

#1 Ná í Jamovi

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**Figure 2:** The list of Jamovi instruction videos as available on Canvas:

▼ Jamovi kennslumyndbönd	⋮
 Gagnaskrá Jamovi myndbönd - Börn og sjónvarp 1968	⋮
 #1 Ná í Jamovi	⋮
 #2 Ná í Gagnasafn í Jamovi	⋮
 #3 Almennt yfirlit og stillingar	⋮
 #4 Vista gagnasafn	⋮
 #5 Búa til gagnasafn	⋮
 #6 Skilgreina gildi sem vantar (missing value)	⋮
 #7 heildarfjöldi og meðaltal fyrir fleiri en eina breytu	⋮
 #8 Lýsandi tölfræði	⋮
 #9 Tíðni töflur	⋮
 #10 Endurraða og flokka svarmöguleikum	⋮
 #11 Endurreikna breytu	⋮
 #12 Samsett mæling	⋮
 #13 Cronbach's Alpha	⋮
 #14 Kí-kvaðrat (e. Chi-square)	⋮
 #15 Sperman's Rho fylgnistuðull	⋮
 #16 Person's R fylgnistuðull	⋮
 #17 T-próf	⋮
 #18 ANOVA	⋮
 #19 Aðhvarfsgreining	⋮

The videos were originally intended for the FÉL306G Tölfræði I course, but they are actually also integrated into the following courses:

- **FÉL306G Tölfræði I**
- **FÉL406G Tölfræði II**
- **FEL089F Spurningalistakannanir**
- **FMP001F Megindleg aðferðafræði**

The videos are an addition to the regular course material. They enhance self-study and have been useful to both undergraduate and graduate students with little prior knowledge of Jamovi, or any other statistical software program. The videos stand on their own and introduce the basic statistical methods regarding descriptive and inferential statistics.

These videos are available to any instructor at the University of Iceland who wishes to enhance their courses with Jamovi-related content. They serve as a valuable resource for improving statistical literacy and expanding the accessibility of modern statistical tools in Icelandic-language education.