

Estatística e Análise de Dados em Zootécnia

Mestrado em Engenharia Zootécnica
2024 -2025

Docentes Reponsáveis

- Elsa Gonçalves (ISA) - Aulas Teóricas
 - 9h00 -10h30 Sala 39 ISA
- Rui Bessa (FMV) - Aulas Práticas
 - 11h00 - 13h30 FMV

Avaliação

- Exame Final (60%)
- 2 Avaliações Orais Práticas (20%)
- Trabalho de grupo (2 a 3 pessoas) (20%)

Para ser aprovado na Unidade Curricular tem que obter

- 9,5 valores no exame
- 9,5 valores na nota final
- Assiduidade de 50% da aulas práticas



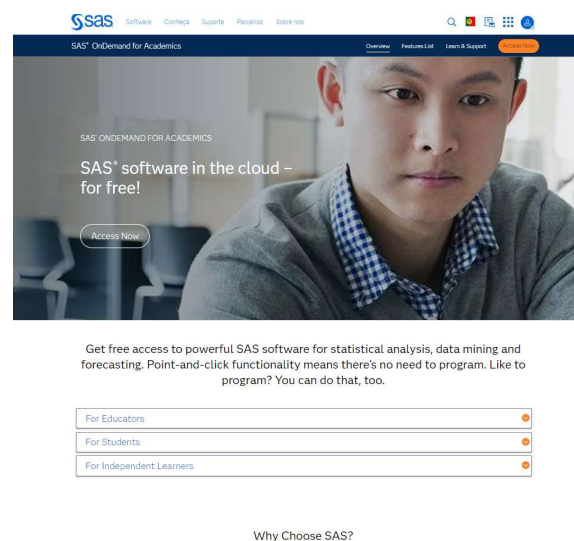
SAS On Demand for
Academics

SAS On Demand for Academics

- SAS OnDemand for Academics (SODA) is a cloud-based SAS software that runs on a browser.
- Unlike SAS University Edition, you do not need to run the software on a virtual machine.
- Simply create an account with SAS and you can access the software for free within minutes!
- <https://sascrunch.com/how-to-install-sas-studio/>

SAS On Demand for Academics

- https://www.sas.com/pt_pt/software/on-demand-for-academics.html



The screenshot shows the SAS OnDemand for Academics landing page. At the top, there is a navigation bar with the SAS logo and links for Software, Contacts, Support, Research, and Solutions. Below the navigation bar, the page title is "SAS OnDemand for Academics". The main content area features a large image of a young man looking at the camera. Overlaid on the image is the text "SAS ONDEMAND FOR ACADEMICS" and "SAS* software in the cloud - for free!". Below this text is an "Access Now" button. Underneath the image, there is a paragraph of text: "Get free access to powerful SAS software for statistical analysis, data mining and forecasting. Point-and-click functionality means there's no need to program. Like to program? You can do that, too." Below this text are three radio button options: "For Educators", "For Students", and "For Independent Learners". At the bottom of the page, there is a link that says "Why Choose SAS?".

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Learn SAS programming from basic to advanced techniques using our free cloud-based learning environment.

- Available anytime with minimal downtime to use at your convenience.
- Free access to SAS Studio, which supports all major desktop operating systems.
- 5GB of data storage for your personal files.
- Compatible with free [e-Learning courses](#) for guided instruction.
- Ideal for certification training.
- Access to free online [SAS Communities](#), which provides access to more learning resources and a community of fellow learners sharing knowledge and advice.

Teach

Additional resources also available for use in qualified classrooms. See the [license](#) and the [terms of use and conditions](#) for more information on qualifications and restrictions.

- Additional 3GB of data storage per instructor to share files with students.
- Additional software options available when using Microsoft Windows:
 - Learn SAS programming with SAS® Enterprise® Guide.

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SAS® OnDemand for Academics Europe 1 Rui Bessa

SAS® Studio

Write and run SAS code with a Web-based SAS development environment.

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- [Clear my saved tabs](#)

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Increase your skill set with SAS Skill Builder for Students (academic email required). [Learn More](#)

Auto-rotate

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Server Files and Folders

- odaws02-euw1
 - Folder Shortcuts
 - Files (Home)
 - sasuser.v94
 - ANOVA exemplo1.sas
 - Berpar.sas
 - celulases.sas
 - Datt_sf.xlsx
 - Diana Engorda1.sas
 - fatorial por contrastes.sas
 - Fonte Proteina.sas
 - Fontes de Proteina_completo.sas
 - Fontes de Proteina.sas
 - gLMPower EXEMPLO.sas
 - Heart_completo.sas
 - Heart.sas
 - mixed_exempl.sas
 - mixed.xlsx
 - Tasks and Utilities
 - Snippets

```

25 de ensaios anteriores sei que o desvio padrão do CLA é cerca de 0.25
26 */
27
28 PROC GLMPower data=oleotatinos;
29 class oleo tanino;
30 model cla=oleo|tanino;
31 power
32   stddev=0.25
33   ntotal = 40
34   power = .;
35 run;
36 /*
37 os resultados dizem que terei um power de 99% para o efeito do óleo, cerca 70% para o efeito
38 e de 52% para a interação.
39 Mas vamos agora fazer o contrário - definir um power como alvo, por exemplo 0.8 e pedir o N
40 */
41 PROC GLMPower data=oleotatinos;
42 class oleo tanino;
43 model cla=oleo|tanino;
44 power
45   stddev=0.25
46   ntotal = .
47   power = 0.8;
48 run;
49 /* Fico a saber que para ter um power de 80% para a interação teria de usar 20 animais por
  
```

