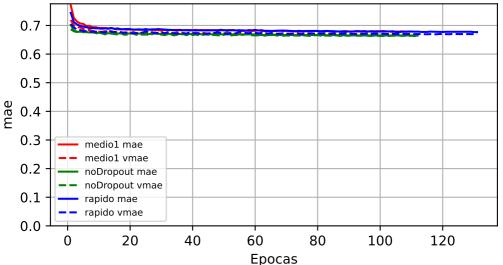
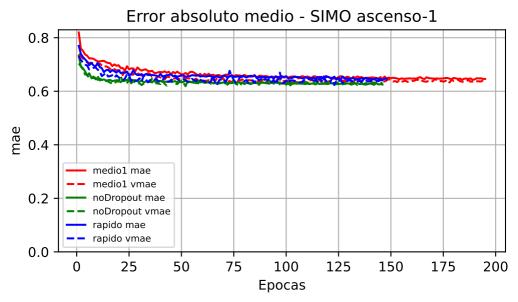
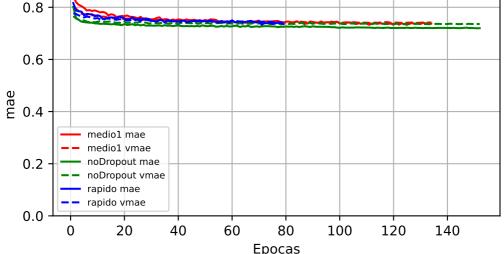
Error absoluto medio - SIMO 0.7 0.6 0.5 0.4 0.3 medio1 mae medio1 vmae 0.2 noDropout mae noDropout vmae 0.1 rapido mae rapido vmae 0.0 40 60 80 **Epocas** 

Error absoluto medio - SIMO ascenso-0

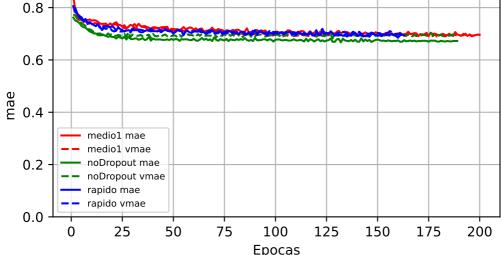




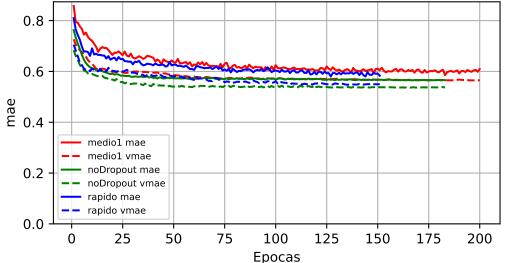
Error absoluto medio - asc Esc1 (Rama - 428/2016 - EON6 - EON2022 - EON2020-2)-0



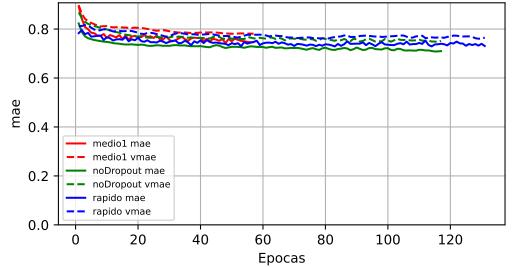
Error absoluto medio - asc Esc1 (Rama - 428/2016 - EON6 - EON2022 - EON2020-2)-1



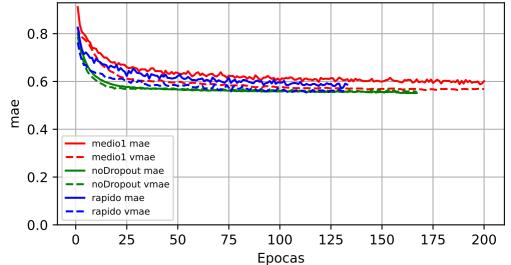
Error absoluto medio - asc Esc2 (EON2022 y EON2020-2)-0

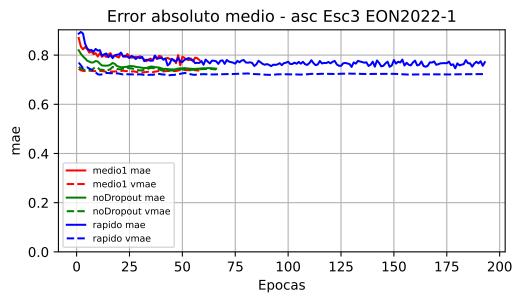


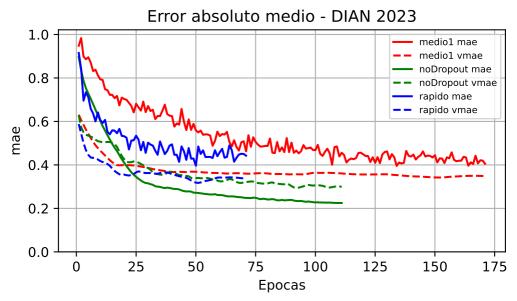
Error absoluto medio - asc Esc2 (EON2022 y EON2020-2)-1



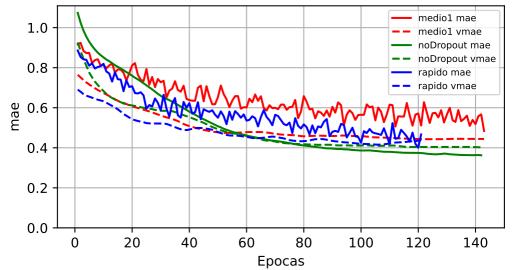
Error absoluto medio - asc Esc3 EON2022-0



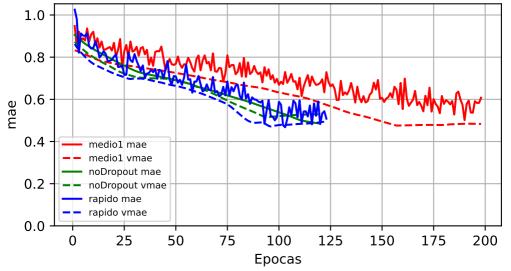




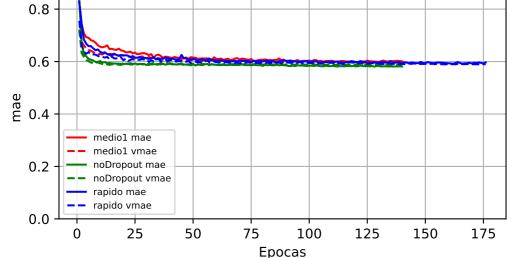
#### Error absoluto medio - DIAN 2023 ascenso-0



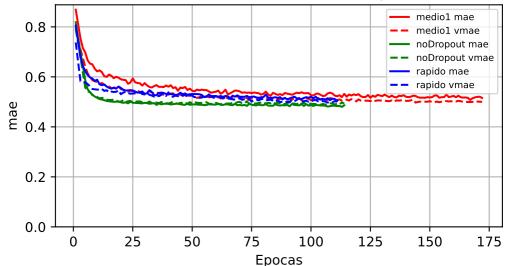
### Error absoluto medio - DIAN 2023 ascenso-1

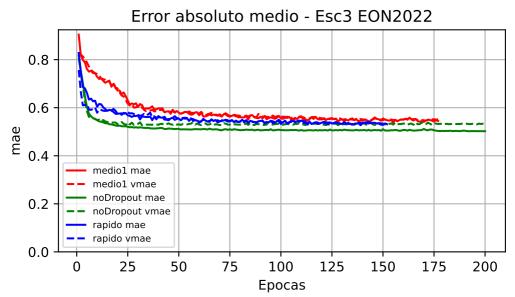


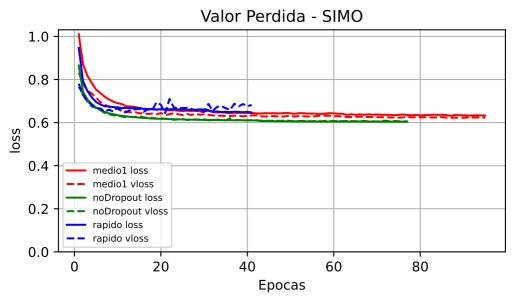
Error absoluto medio - Esc1 (Rama - 428/2016 - EON6 - EON2022 - EON2020-2)

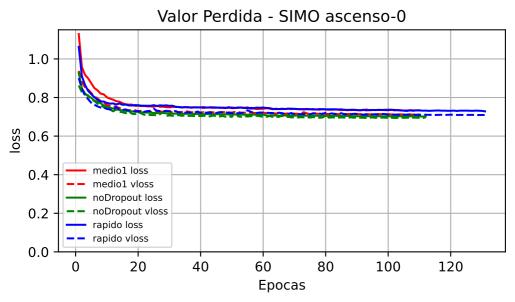


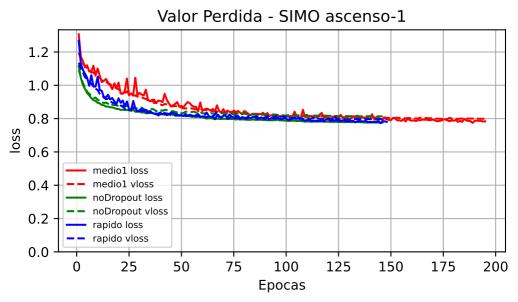
Error absoluto medio - Esc2 (EON2022 y EON2020-2)



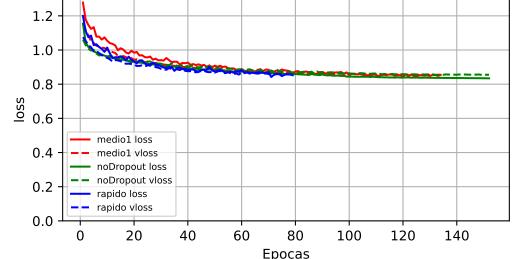


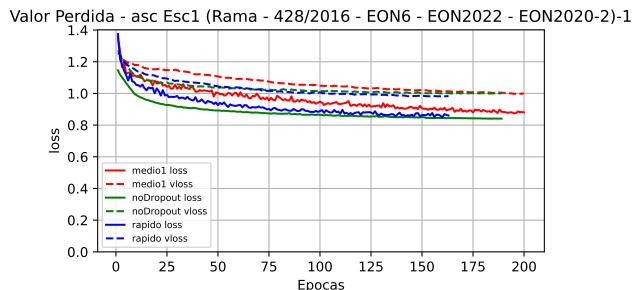




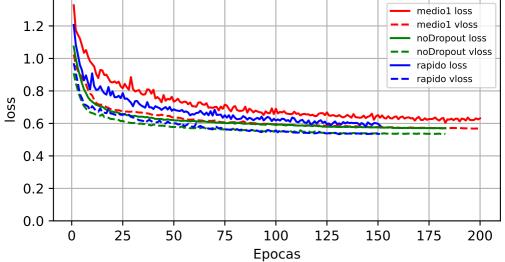


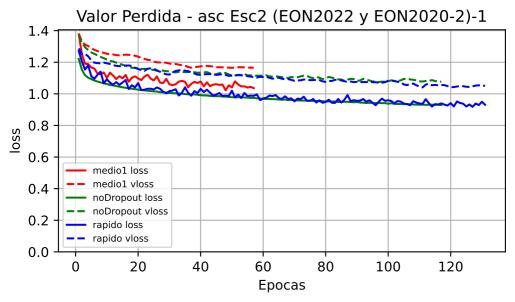
Valor Perdida - asc Esc1 (Rama - 428/2016 - EON6 - EON2022 - EON2020-2)-0



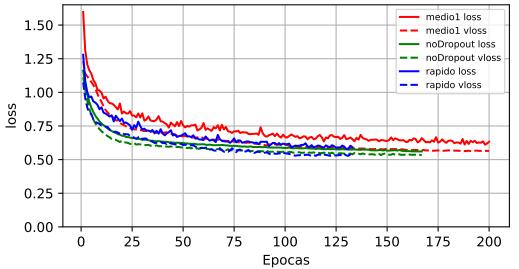


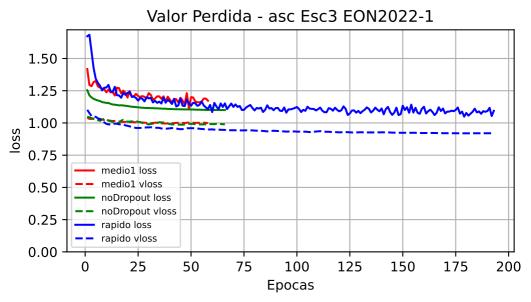
# Valor Perdida - asc Esc2 (EON2022 y EON2020-2)-0

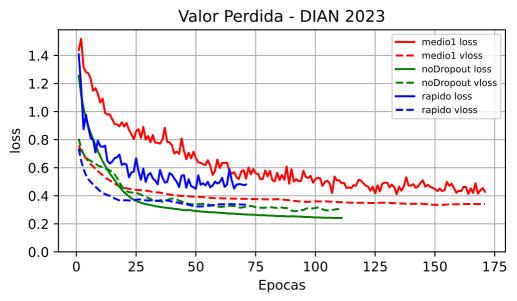


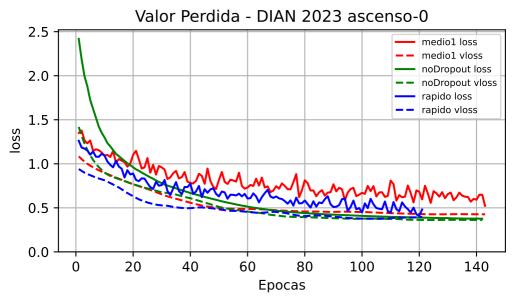


#### Valor Perdida - asc Esc3 EON2022-0





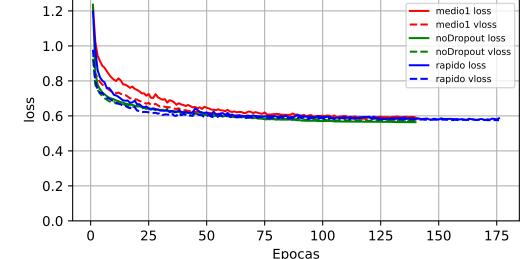




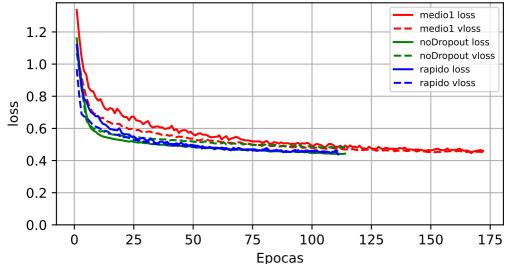
#### Valor Perdida - DIAN 2023 ascenso-1 2.0 medio1 loss medio1 vloss noDropout loss noDropout vloss 1.5 rapido loss rapido vloss loss 1.0 0.5 0.0 25 50 75 100 125 150 175 200 **Epocas**

Valor Perdida - Esc1 (Rama - 428/2016 - EON6 - EON2022 - EON2020-2)

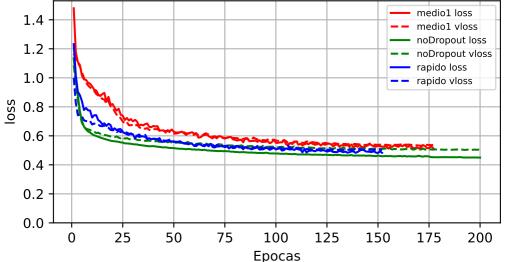
1.2 — medio1 loss



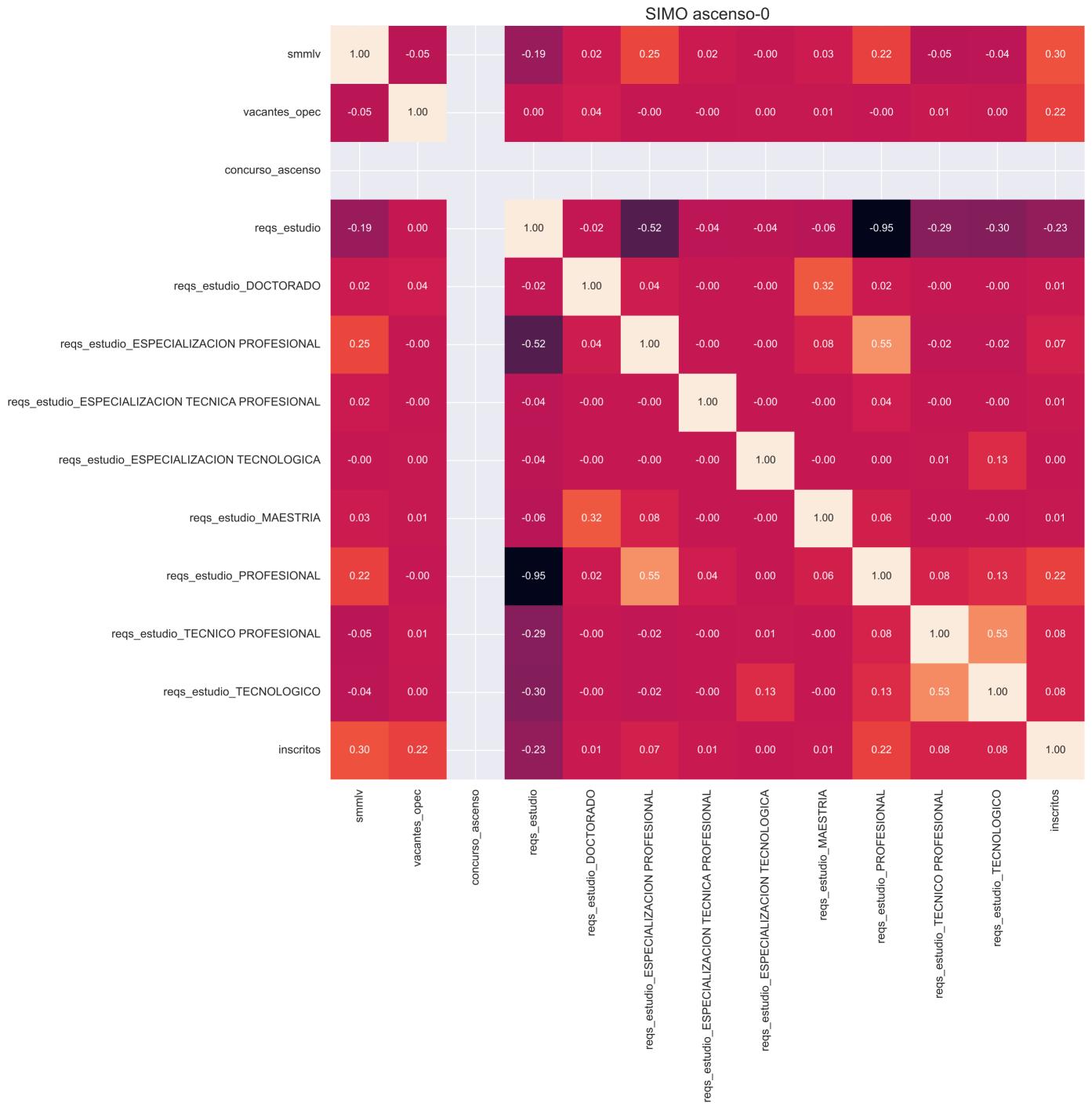
### Valor Perdida - Esc2 (EON2022 y EON2020-2)

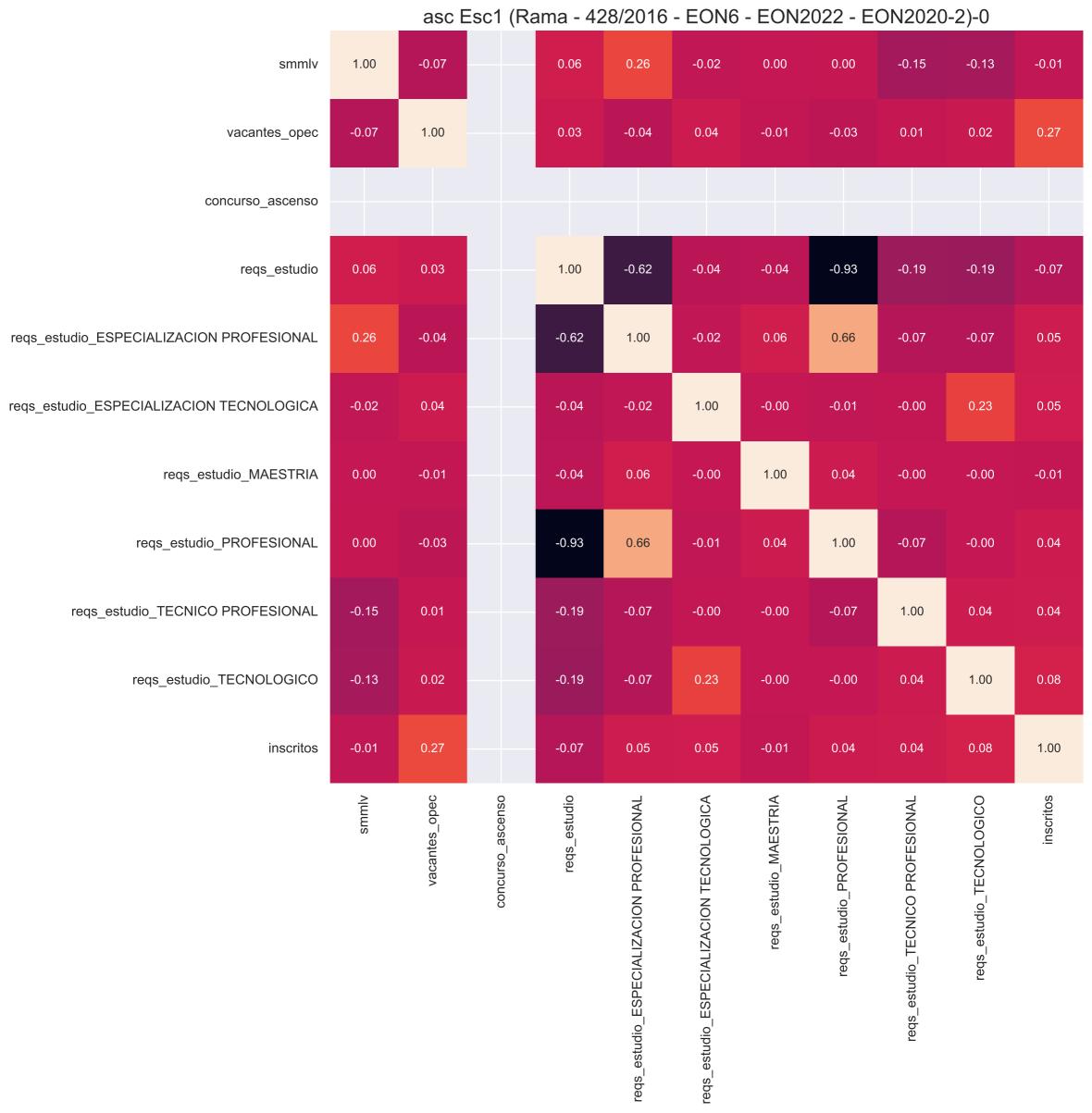


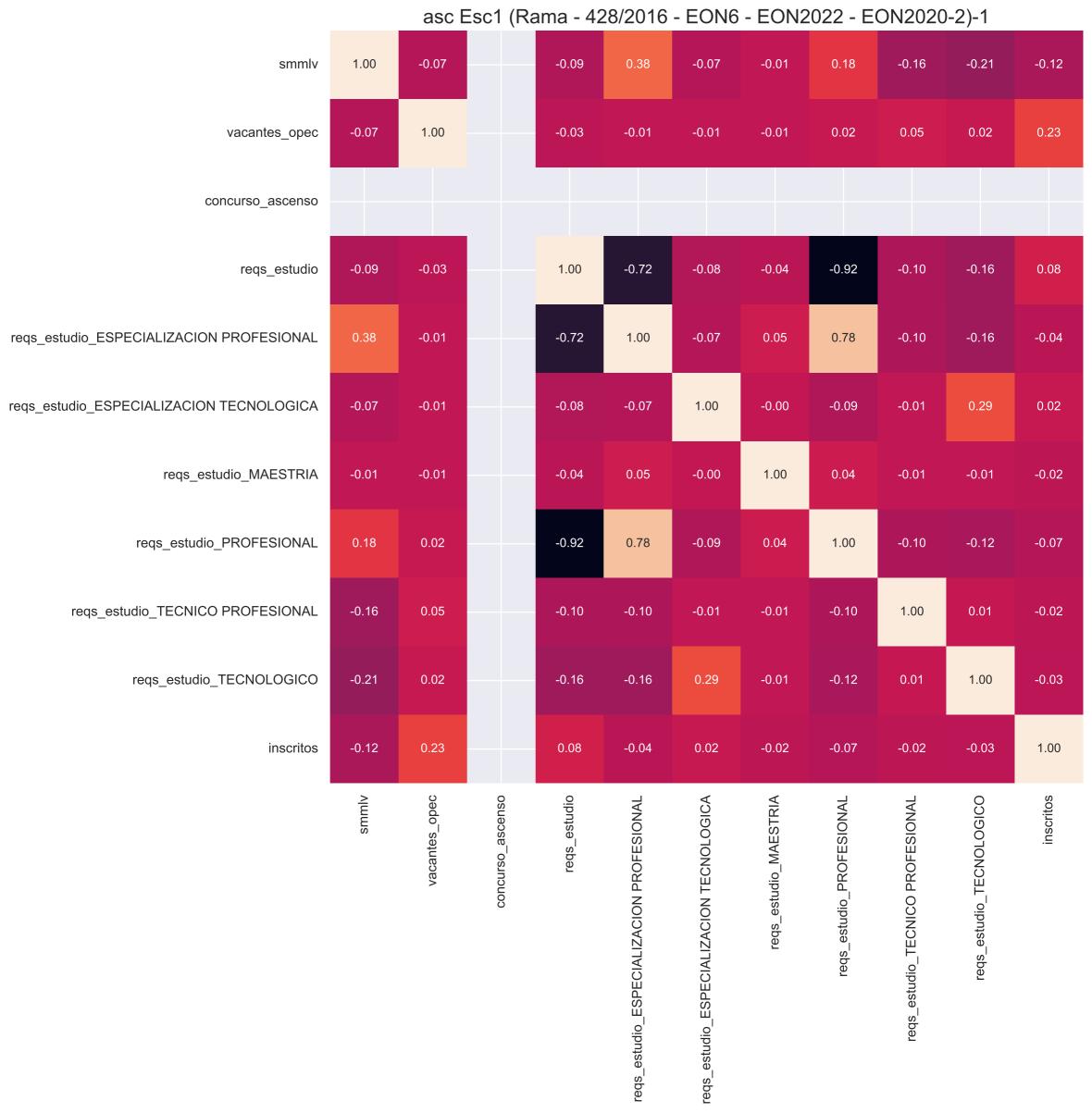
# Valor Perdida - Esc3 EON2022



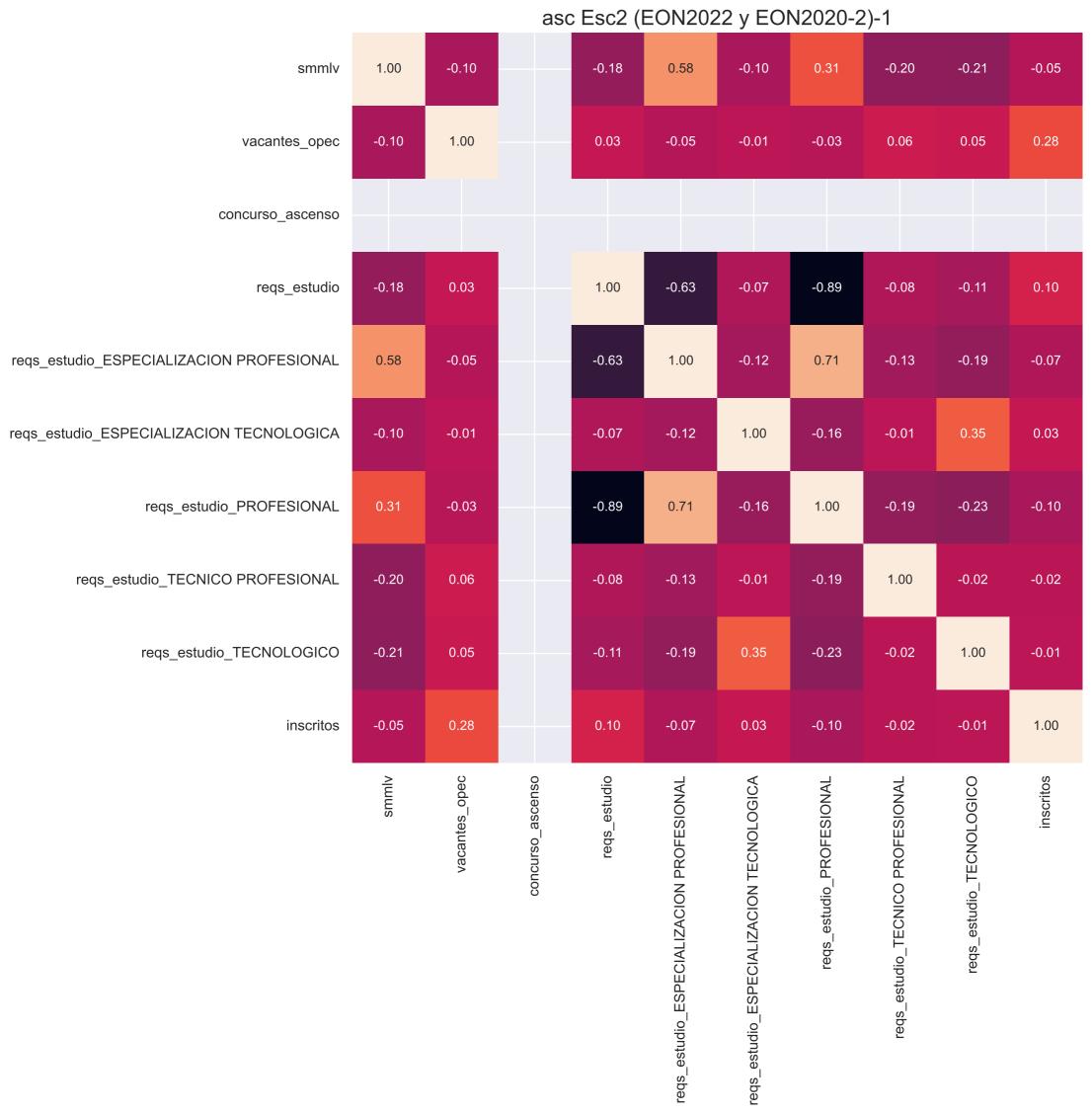
|  |       |               |                  |              |                        |  | SIMO   |  | _                     |                          |                                  |                          |           |
|--|-------|---------------|------------------|--------------|------------------------|--|--|--|-----------------------|--------------------------|----------------------------------|--------------------------|-----------|
| smmlv  | 1.00  | -0.05         | 0.22             | -0.26        | 0.10                   | 0.32                                     | 0.04   | -0.00                                    | 0.09                  | 0.29                     | -0.06                            | -0.05                    | 0.16      |
| vacantes_opec                                    | -0.05 | 1.00          | 0.01             | -0.00        | 0.02                   | -0.01                                    | -0.00  | 0.00                                     | 0.01                  | -0.00                    | 0.01                             | 0.00                     | 0.21      |
| concurso_ascenso                                 | 0.22  | 0.01          | 1.00             | -0.40        | 0.08                   | 0.24                                     | 0.03   | 0.03                                     | 0.07                  | 0.38                     | 0.11                             | 0.14                     | -0.39     |
| reqs_estudio                                     | -0.26 | -0.00         | -0.40            | 1.00         | -0.06                  | -0.53                                    | -0.05  | -0.05                                    | -0.08                 | -0.95                    | -0.28                            | -0.30                    | -0.00     |
| reqs_estudio_DOCTORADO                           | 0.10  | 0.02          | 0.08             | -0.06        | 1.00                   | 0.11                                     | -0.00  | -0.00                                    | 0.71                  | 0.06                     | -0.00                            | -0.00                    | 0.01      |
| reqs_estudio_ESPECIALIZACION PROFESIONAL         | 0.32  | -0.01         | 0.24             | -0.53        | 0.11                   | 1.00                                     | -0.01  | -0.01                                    | 0.13                  | 0.56                     | -0.03                            | -0.04                    | -0.05     |
| reqs_estudio_ESPECIALIZACION TECNICA PROFESIONAL | 0.04  | -0.00         | 0.03             | -0.05        | -0.00                  | -0.01                                    | 1.00   | -0.00                                    | -0.00                 | 0.05                     | -0.00                            | -0.00                    | -0.01     |
| reqs_estudio_ESPECIALIZACION TECNOLOGICA         | -0.00 | 0.00          | 0.03             | -0.05        | -0.00                  | -0.01                                    | -0.00  | 1.00                                     | -0.00                 | -0.01                    | 0.00                             | 0.13                     | -0.01     |
| reqs_estudio_MAESTRIA                            | 0.09  | 0.01          | 0.07             | -0.08        | 0.71                   | 0.13                                     | -0.00  | -0.00                                    | 1.00                  | 0.08                     | -0.01                            | -0.01                    | 0.00      |
| reqs_estudio_PROFESIONAL                         | 0.29  | -0.00         | 0.38             | -0.95        | 0.06                   | 0.56                                     | 0.05   | -0.01                                    | 0.08                  | 1.00                     | 0.09                             | 0.14                     | 0.00      |
| reqs_estudio_TECNICO PROFESIONAL                 | -0.06 | 0.01          | 0.11             | -0.28        | -0.00                  | -0.03                                    | -0.00  | 0.00                                     | -0.01                 | 0.09                     | 1.00                             | 0.56                     | 0.01      |
| reqs_estudio_TECNOLOGICO                         | -0.05 | 0.00          | 0.14             | -0.30        | -0.00                  | -0.04                                    | -0.00  | 0.13                                     | -0.01                 | 0.14                     | 0.56                             | 1.00                     | -0.01     |
| inscritos  | 0.16  | 0.21          | -0.39            | -0.00        | 0.01                   | -0.05                                    | -0.01  | -0.01                                    | 0.00                  | 0.00                     | 0.01                             | -0.01                    | 1.00      |
|  | vlmms | vacantes_opec | concurso_ascenso | reqs_estudio | reqs_estudio_DOCTORADO | reqs_estudio_ESPECIALIZACION PROFESIONAL | reqs_estudio_ESPECIALIZACION TECNICA PROFESIONAL | reqs_estudio_ESPECIALIZACION TECNOLOGICA | reqs_estudio_MAESTRIA | reqs_estudio_PROFESIONAL | reqs_estudio_TECNICO PROFESIONAL | reqs_estudio_TECNOLOGICO | inscritos |

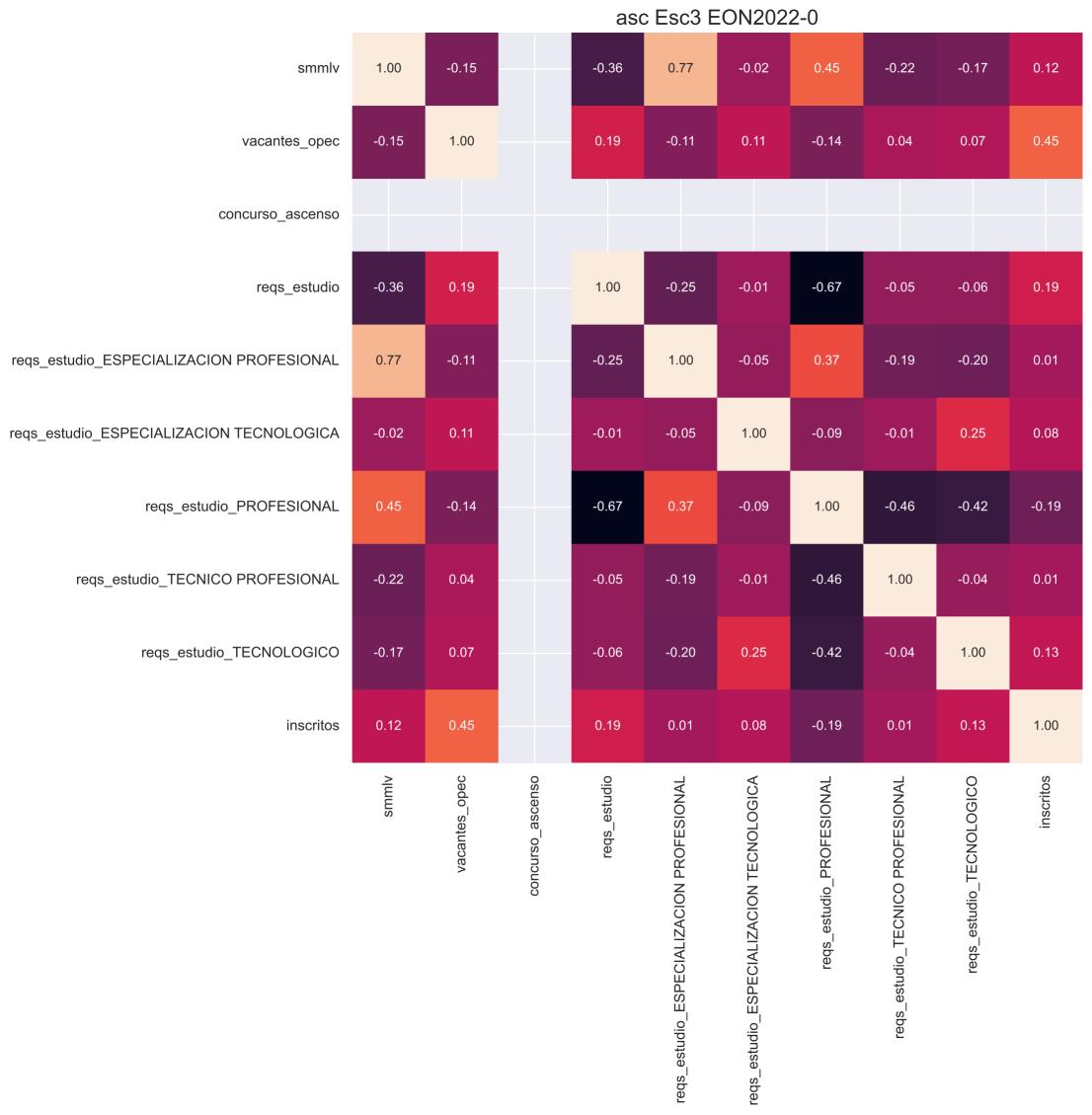


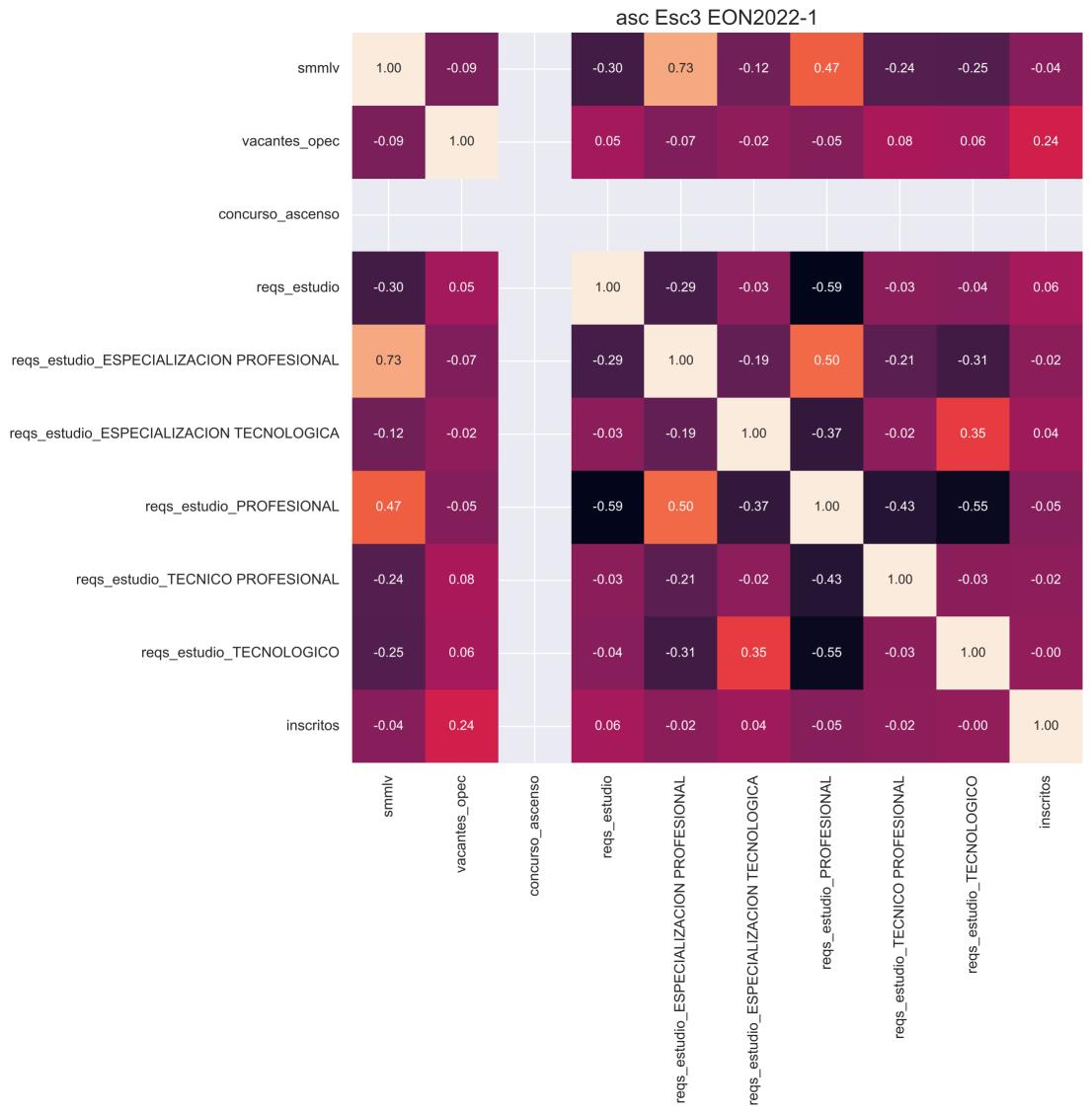












| D | IAN     | 2023 |
|---|---------|------|
| - | I/ \I \ | 2020 |

|  |       |               |                  |              | D                      | IAIN ZUZ                                 |                       |                          |                                  |                          |           |
|--|-------|---------------|------------------|--------------|------------------------|--|-----------------------|--------------------------|----------------------------------|--------------------------|-----------|
| smmlv                                    | 1.00  | -0.15         | 0.28             | -0.26        | 0.48                   | 0.48                                     | 0.48                  | 0.26                     | -0.54                            | -0.54                    | -0.23     |
| vacantes_opec                            | -0.15 | 1.00          | -0.19            | -0.00        | -0.05                  | -0.05                                    | -0.05                 | 0.00                     | -0.06                            | -0.06                    | 0.49      |
| concurso_ascenso                         | 0.28  | -0.19         | 1.00             | -0.24        | 0.25                   | 0.25                                     | 0.25                  | 0.24                     | -0.14                            | -0.14                    | -0.79     |
| reqs_estudio                             | -0.26 | -0.00         | -0.24            | 1.00         | -0.09                  | -0.09                                    | -0.09                 | -1.00                    | -0.26                            | -0.26                    | 0.16      |
| reqs_estudio_DOCTORADO                   | 0.48  | -0.05         | 0.25             | -0.09        | 1.00                   | 1.00                                     | 1.00                  | 0.09                     | -0.20                            | -0.20                    | -0.09     |
| reqs_estudio_ESPECIALIZACION PROFESIONAL | 0.48  | -0.05         | 0.25             | -0.09        | 1.00                   | 1.00                                     | 1.00                  | 0.09                     | -0.20                            | -0.20                    | -0.09     |
| reqs_estudio_MAESTRIA                    | 0.48  | -0.05         | 0.25             | -0.09        | 1.00                   | 1.00                                     | 1.00                  | 0.09                     | -0.20                            | -0.20                    | -0.09     |
| reqs_estudio_PROFESIONAL                 | 0.26  | 0.00          | 0.24             | -1.00        | 0.09                   | 0.09                                     | 0.09                  | 1.00                     | 0.26                             | 0.26                     | -0.16     |
| reqs_estudio_TECNICO PROFESIONAL         | -0.54 | -0.06         | -0.14            | -0.26        | -0.20                  | -0.20                                    | -0.20                 | 0.26                     | 1.00                             | 1.00                     | 0.01      |
| reqs_estudio_TECNOLOGICO                 | -0.54 | -0.06         | -0.14            | -0.26        | -0.20                  | -0.20                                    | -0.20                 | 0.26                     | 1.00                             | 1.00                     | 0.01      |
| inscritos                                | -0.23 | 0.49          | -0.79            | 0.16         | -0.09                  | -0.09                                    | -0.09                 | -0.16                    | 0.01                             | 0.01                     | 1.00      |
|  | vimms | vacantes_opec | concurso_ascenso | reqs_estudio | reqs_estudio_DOCTORADO | reqs_estudio_ESPECIALIZACION PROFESIONAL | reqs_estudio_MAESTRIA | reqs_estudio_PROFESIONAL | reqs_estudio_TECNICO PROFESIONAL | reqs_estudio_TECNOLOGICO | inscritos |



Esc1 (Rama - 428/2016 - EON6 - EON2022 - EON2020-2)

|  |       | E             | sc1 (Rar         | ma - 428     | 3/2016 -                              | EON6 -                              | EON20                 | )22 - EC                 | )N2020-                          | 2)                       |           |
|--|-------|---------------|------------------|--------------|---------------------------------------|-------------------------------------|-----------------------|--------------------------|----------------------------------|--------------------------|-----------|
| smmlv                                    | 1.00  | -0.07         | 0.12             | 0.00         | 0.31                                  | -0.03                               | -0.00                 | 0.06                     | -0.15                            | -0.15                    | -0.09     |
| vacantes_opec                            | -0.07 | 1.00          | -0.06            | 0.04         | -0.05                                 | 0.02                                | -0.01                 | -0.04                    | 0.01                             | 0.02                     | 0.24      |
| concurso_ascenso                         | 0.12  | -0.06         | 1.00             | -0.17        | 0.22                                  | 0.05                                | 0.02                  | 0.16                     | -0.02                            | 0.04                     | -0.58     |
| reqs_estudio                             | 0.00  | 0.04          | -0.17            | 1.00         | -0.65                                 | -0.06                               | -0.04                 | -0.93                    | -0.16                            | -0.19                    | 0.07      |
| reqs_estudio_ESPECIALIZACION PROFESIONAL | 0.31  | -0.05         | 0.22             | -0.65        | 1.00                                  | -0.03                               | 0.06                  | 0.70                     | -0.08                            | -0.09                    | -0.11     |
| reqs_estudio_ESPECIALIZACION TECNOLOGICA | -0.03 | 0.02          | 0.05             | -0.06        | -0.03                                 | 1.00                                | -0.00                 | -0.03                    | -0.01                            | 0.24                     | 0.00      |
| reqs_estudio_MAESTRIA                    | -0.00 | -0.01         | 0.02             | -0.04        | 0.06                                  | -0.00                               | 1.00                  | 0.04                     | -0.00                            | -0.01                    | -0.02     |
| reqs_estudio_PROFESIONAL                 | 0.06  | -0.04         | 0.16             | -0.93        | 0.70                                  | -0.03                               | 0.04                  | 1.00                     | -0.08                            | -0.03                    | -0.09     |
| reqs_estudio_TECNICO PROFESIONAL         | -0.15 | 0.01          | -0.02            | -0.16        | -0.08                                 | -0.01                               | -0.00                 | -0.08                    | 1.00                             | 0.03                     | 0.04      |
| reqs_estudio_TECNOLOGICO                 | -0.15 | 0.02          | 0.04             | -0.19        | -0.09                                 | 0.24                                | -0.01                 | -0.03                    | 0.03                             | 1.00                     | 0.02      |
| inscritos                                | -0.09 | 0.24          | -0.58            | 0.07         | -0.11                                 | 0.00                                | -0.02                 | -0.09                    | 0.04                             | 0.02                     | 1.00      |
|  | vlmms | vacantes_opec | concurso_ascenso | reqs_estudio | s_estudio_ESPECIALIZACION PROFESIONAL | estudio_ESPECIALIZACION TECNOLOGICA | reqs_estudio_MAESTRIA | reqs_estudio_PROFESIONAL | reqs_estudio_TECNICO PROFESIONAL | reqs_estudio_TECNOLOGICO | inscritos |

Esc2 (EON2022 y EON2020-2)

|  |       |               |                  | Esc2 (E      | ON2022                                 | 2 y EON                                | 12020-2)                 |                                  |                          |           |
|--|-------|---------------|------------------|--------------|--|--|--------------------------|----------------------------------|--------------------------|-----------|
| smmlv                                    | 1.00  | -0.13         | 0.23             | -0.20        | 0.65                                   | -0.04                                  | 0.30                     | -0.20                            | -0.16                    | -0.09     |
| vacantes_opec                            | -0.13 | 1.00          | -0.06            | 0.02         | -0.08                                  | 0.05                                   | -0.03                    | 0.05                             | 0.07                     | 0.32      |
| concurso_ascenso                         | 0.23  | -0.06         | 1.00             | -0.02        | 0.16                                   | 0.06                                   | 0.02                     | -0.04                            | -0.00                    | -0.60     |
| reqs_estudio                             | -0.20 | 0.02          | -0.02            | 1.00         | -0.51                                  | -0.04                                  | -0.88                    | -0.10                            | -0.11                    | 0.22      |
| reqs_estudio_ESPECIALIZACION PROFESIONAL | 0.65  | -0.08         | 0.16             | -0.51        | 1.00                                   | -0.06                                  | 0.58                     | -0.13                            | -0.15                    | -0.17     |
| reqs_estudio_ESPECIALIZACION TECNOLOGICA | -0.04 | 0.05          | 0.06             | -0.04        | -0.06                                  | 1.00                                   | -0.09                    | -0.01                            | 0.28                     | -0.00     |
| reqs_estudio_PROFESIONAL                 | 0.30  | -0.03         | 0.02             | -0.88        | 0.58                                   | -0.09                                  | 1.00                     | -0.21                            | -0.20                    | -0.22     |
| reqs_estudio_TECNICO PROFESIONAL         | -0.20 | 0.05          | -0.04            | -0.10        | -0.13                                  | -0.01                                  | -0.21                    | 1.00                             | -0.03                    | 0.01      |
| reqs_estudio_TECNOLOGICO                 | -0.16 | 0.07          | -0.00            | -0.11        | -0.15                                  | 0.28                                   | -0.20                    | -0.03                            | 1.00                     | 0.05      |
| inscritos                                | -0.09 | 0.32          | -0.60            | 0.22         | -0.17                                  | -0.00                                  | -0.22                    | 0.01                             | 0.05                     | 1.00      |
|  | vlmms | vacantes_opec | concurso_ascenso | reqs_estudio | qs_estudio_ESPECIALIZACION PROFESIONAL | qs_estudio_ESPECIALIZACION TECNOLOGICA | reqs_estudio_PROFESIONAL | reqs_estudio_TECNICO PROFESIONAL | reqs_estudio_TECNOLOGICO | inscritos |

| Esc3 | EON | 12022 |
|------|-----|-------|
|------|-----|-------|

|  |       |               |                  |              | Esc3 E                                   | ON2022                                   |                          |                                  |                          |           |
|--|-------|---------------|------------------|--------------|--|--|--------------------------|----------------------------------|--------------------------|-----------|
| smmlv                                    | 1.00  | -0.15         | 0.24             | -0.34        | 0.77                                     | -0.05                                    | 0.45                     | -0.22                            | -0.19                    | -0.07     |
| vacantes_opec                            | -0.15 | 1.00          | -0.08            | 0.17         | -0.13                                    | 0.05                                     | -0.13                    | 0.06                             | 0.07                     | 0.37      |
| concurso_ascenso                         | 0.24  | -0.08         | 1.00             | -0.06        | 0.20                                     | 0.07                                     | 0.05                     | -0.05                            | 0.00                     | -0.57     |
| reqs_estudio                             | -0.34 | 0.17          | -0.06            | 1.00         | -0.26                                    | -0.02                                    | -0.65                    | -0.05                            | -0.05                    | 0.16      |
| reqs_estudio_ESPECIALIZACION PROFESIONAL | 0.77  | -0.13         | 0.20             | -0.26        | 1.00                                     | -0.09                                    | 0.40                     | -0.20                            | -0.22                    | -0.12     |
| reqs_estudio_ESPECIALIZACION TECNOLOGICA | -0.05 | 0.05          | 0.07             | -0.02        | -0.09                                    | 1.00                                     | -0.20                    | -0.02                            | 0.27                     | 0.00      |
| reqs_estudio_PROFESIONAL                 | 0.45  | -0.13         | 0.05             | -0.65        | 0.40                                     | -0.20                                    | 1.00                     | -0.45                            | -0.45                    | -0.16     |
| reqs_estudio_TECNICO PROFESIONAL         | -0.22 | 0.06          | -0.05            | -0.05        | -0.20                                    | -0.02                                    | -0.45                    | 1.00                             | -0.04                    | 0.03      |
| reqs_estudio_TECNOLOGICO                 | -0.19 | 0.07          | 0.00             | -0.05        | -0.22                                    | 0.27                                     | -0.45                    | -0.04                            | 1.00                     | 0.07      |
| inscritos                                | -0.07 | 0.37          | -0.57            | 0.16         | -0.12                                    | 0.00                                     | -0.16                    | 0.03                             | 0.07                     | 1.00      |
|  | vimms | vacantes_opec | concurso_ascenso | reqs_estudio | reqs_estudio_ESPECIALIZACION PROFESIONAL | reqs_estudio_ESPECIALIZACION TECNOLOGICA | reqs_estudio_PROFESIONAL | reqs_estudio_TECNICO PROFESIONAL | reqs_estudio_TECNOLOGICO | inscritos |