2021 .

06.03.01 "

: 2021/2022 - 2024/2025

: 4

| , | | | | 1 | 1 | T | - , |
|---|--------------|-----|----|----|----|----|-----|
| / | | | 1 | 2 | 3 | 4 |) |
| | | 240 | 60 | 60 | 60 | 60 | |
| | Data Culture | 5 | 4 | 1 | 0 | 0 | |
| 1 | Python | 4 | 4 | | | | |
| 2 | | 1 | | 1 | | | |
| 3 | | 0 | 0 | | | | |
| 4 | | 0 | 0 | | | | |
| | Major | 164 | 45 | 42 | 39 | 38 | |
| | | 67 | 40 | 22 | 5 | 0 | |
| | | 67 | 40 | 22 | 5 | 0 | |
| | | 16 | 8 | 8 | 0 | 0 | |
| 1 | | 4 | | 4 | | | |
| 2 | | 8 | 8 | | | | |
| 3 | | 4 | | 4 | | | |
| | | 9 | 9 | 0 | 0 | 0 | |
| 1 | | 4 | 4 | | | | |
| 2 | | 5 | 5 | | | | |
| _ | | 9 | 9 | 0 | 0 | 0 | |
| 1 | | 5 | 5 | | | | |
| 2 | | 4 | 4 | | | | |
| | | 5 | 0 | 0 | 5 | 0 | |
| 1 | | 5 | | | 5 | | |
| | | 4 | 4 | 0 | 0 | 0 | |
| 1 | | 4 | 4 | | | | |
| | | 8 | 0 | 8 | 0 | 0 | |
| 1 | | 3 | | 3 | | | |
| 2 | | 5 | | 5 | | | |
| | | 16 | 10 | 6 | 0 | 0 | |
| 1 | | 6 | | 6 | | | |
| 2 | | 5 | 5 | | | | |
| 3 | | 5 | 5 | | | | |
| | | 97 | 5 | 20 | 34 | 38 | |
| | | 70 | 5 | 20 | 34 | 11 | |
| 1 | | 5 | | 5 | | | |
| 2 | | 5 | | | 5 | | |
| 3 | | 3 | | | 3 | | |
| 4 | | 3 | | | 3 | | |
| 5 | | 4 | | 4 | | | |
| 6 | | 4 | | | | 4 | |
| 7 | | 3 | | | 3 | | |
| 8 | : | 5 | 5 | | | | |
| | | | | | | | · |

| 9 | | 5 | | | 5 | | |
|--|----------------------------------|---|---|---------------------------------|--|--|----------|
| | | 3 | | |] | | |
| 10 | | 5 | | 5 | | | |
| 11 | | 6 | | 6 | | | |
| 11 | | | | 0 | | | |
| 11 12 13 | | 3 | | | 3 | | |
| 13 | | 3 | | | 3 | | |
| 14 | | 3 | | | | 3 | |
| 14 15 16 17 | | 4 | | | | 4 | |
| 16 | | 3 | | | 3 | | |
| 17 | | 3 | | | 3 | | |
| 17 | | | | | 3 | | |
| 18 | | 3 | | - | 3 | _ | |
| | , 1 (1 2) | 7 | 0 | 0 | 0 | 7 | |
| 1 | | 7 | | | | 7 | |
| 1 1 | | , | | | | · ' | |
| 2 | | 7 | | | | 7 | |
| _ | , 2 (1 2) | 5 | 0 | 0 | 0 | 5 | |
| 1 | , ∠ (1 ∠) | | U | U | 0 | | |
| 2 | | 5 | | | | 5 | <u> </u> |
| 2 | | 5 | | | | 5 | |
| | , 3 (3 4) | 15 | 0 | 0 | 0 | 15 | |
| 1 | | 5 | | | | 5 | |
| 2 | | 5 | | | | 5 | |
| 3 | , | | 1 | | | | |
| 3 | , | 5 | | | | 5 | |
| | | | | | | | |
| 4 | | 5 | | | | 5 | |
| | | | | | | | |
| | Minor | 20 | 0 | 10 | 10 | 0 | |
| 1 | Minor | 20 | | 10 | 10 | | |
| | | 1 | 0 | 0 | 0 | 1 | |
| | (0 0) | 0 | | | | ^ | |
| | (0 2) | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | |
| 1 | | | | | | | |
| 1 | | 2 | | | | 2 | |
| 1 2 | | 2 14 | 8 | 6 | | 2 | |
| 2 | | 2 | | | 0 | | |
| 2 | | 2 14 1 | 8 0 | 6 | | 2 | |
| 1 2 | (1) | 2 14 | 8 | 6 | 0 | 2 | |
| 1 | | 2 14 1 0 | 8 0 | 6 | 0 | 2 | |
| 1 2 | (1) | 2 14 1 0 | 8 0 | 6 | | 2 | |
| 1 | | 2 14 1 0 | 8 0 0 | 6 0 | 0 | 1 | |
| 1 2 | (1) | 2 14 1 0 0 1 3 | 8 0 0 | 6 0 | 0 | 1 1 3 | |
| 1 2 3 | (1) | 2 14 1 0 0 1 3 3 | 8 0 0 | 6 | 0 | 1 1 3 3 | |
| 1 2 | (1) | 2 14 1 0 0 1 3 3 3 | 8 0 0 | 6 0 0 | 0 0 0 0 | 1 1 3 3 3 | |
| 1 2 3 | (1) | 2 14 1 0 0 1 3 3 3 3 | 8 0 0 0 | 0 0 | 0 0 0 0 | 1 1 3 3 3 4 | |
| 1 2 3 | (1) | 2 14 1 0 0 1 3 3 3 3 | 8 0 0 | 0 0 | 0 0 0 0 | 1 1 3 3 3 4 | |
| 1 2 3 | (1) | 2 14 1 0 0 1 3 3 3 3 14 | 8 0 0 0 | 6 0 0 | 0 0 0 0 | 1 1 3 3 3 4 4 | |
| 2 1 2 3 | (1) | 2 14 1 0 0 1 3 3 3 3 14 12 | 8 0 0 0 | 0 0 | 0 0 0 0 0 4 4 | 1 1 3 3 3 4 | |
| 1 2 3 | (1) | 2 14 1 0 0 1 3 3 3 3 14 12 4 | 8 0 0 0 | 0 0 | 0 0 0 0 | 1 1 3 3 3 4 4 | |
| 2 1 2 3 | (1) | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 | 8 0 0 0 | 6 0 0 | 0 0 0 0 4 4 4 | 1 1 3 3 3 3 4 4 4 | |
| 1 2 3 1 1 2 3 | (1) | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 4 | 8 0 0 0 0 5 4 | 0 0 | 0 0 0 0 0 4 4 | 1 1 3 3 3 4 4 | |
| 1 2 3 1 1 2 3 | (1) | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 4 2 | 8 0 0 0 0 0 5 4 | 0 0 0 1 0 | 0 0 0 0 4 4 4 | 1 1 3 3 3 3 4 4 4 | |
| 1 2 3 1 1 2 3 | (1) | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 2 1 | 8 0 0 0 0 0 5 4 4 1 1 | 6 0 0 0 1 0 | 0 0 0 0 0 4 4 4 | 1 1 3 3 3 4 4 4 4 | |
| 1 2 3 1 1 2 3 | (1) | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 2 1 1 1 33 | 8 0 0 0 0 5 4 4 1 1 0 6 | 0 0 0 1 0 | 0 0 0 0 4 4 4 | 2 1 1 3 3 3 4 4 4 4 | |
| 1 2 3 1 1 2 3 | (1) Project Proposal | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 2 1 1 1 33 | 8 0 0 0 0 5 4 4 1 1 0 6 | 0 0 0 1 0 | 0 0 0 0 4 4 4 | 2 1 1 3 3 3 4 4 4 4 | |
| 1 2 3 1 1 2 3 1 2 | (1) | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 4 2 1 1 1 3 3 | 8 0 0 0 0 0 5 4 4 1 1 | 6 0 0 0 1 0 | 0 0 0 0 0 4 4 4 | 2 1 1 3 3 3 4 4 4 4 4 14 | |
| 1 2 3 1 1 2 3 1 2 | (1) Project Proposal | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 4 2 1 1 3 3 3 14 8 | 8 0 0 0 0 5 4 4 1 1 0 6 | 0 0 0 1 0 | 0 0 0 0 4 4 4 | 2 1 1 3 3 3 3 4 4 4 4 4 14 8 | |
| 1 2 3 1 1 2 3 1 2 | (1) Project Proposal | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 4 2 1 1 1 3 3 3 3 3 1 4 4 4 4 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 | 8 0 0 0 0 5 4 4 1 1 0 6 | 0 0 0 1 0 | 0 0 0 0 4 4 4 | 2 1 1 3 3 3 3 4 4 4 4 4 14 8 8 3 | |
| 1 2 3 1 1 2 3 1 2 | (1) Project Proposal - | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 4 4 2 1 1 3 3 3 3 3 3 14 4 4 4 4 4 8 8 1 1 1 1 1 1 1 1 1 1 1 | 8 0 0 0 0 0 5 4 4 1 1 0 6 0 | 6 0 0 0 1 1 0 | 0 0 0 0 4 4 4 0 | 2 1 1 3 3 3 4 4 4 4 4 4 4 4 4 4 4 8 3 3 | |
| 1 2 3 1 1 2 3 1 2 3 | (1) Project Proposal - (0 1) | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 4 2 1 1 1 3 3 3 3 3 3 1 4 4 4 4 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 | 8 0 0 0 0 5 4 4 1 1 0 6 | 0 0 0 1 0 | 0 0 0 0 0 4 4 4 4 0 | 2 1 1 3 3 3 3 4 4 4 4 4 14 8 8 3 | |
| 1 2 3 1 1 2 3 1 2 | (1) Project Proposal - | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 4 2 1 1 1 3 3 3 3 3 3 14 4 4 4 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 | 8 0 0 0 0 0 5 4 4 1 1 0 6 0 | 6 0 0 0 1 1 0 | 0 0 0 0 0 4 4 4 4 0 | 2 1 1 3 3 3 4 4 4 4 4 4 4 4 4 4 4 8 3 3 | |
| 1 2 3 1 1 2 3 1 2 3 | (1) Project Proposal - (0 1) | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 4 2 1 1 1 3 3 3 3 3 3 14 4 4 4 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 | 8 0 0 0 0 0 5 4 4 1 1 0 6 0 | 6 0 0 0 1 0 | 0 0 0 0 0 4 4 4 0 | 1 1 3 3 3 3 4 4 4 4 4 4 4 4 4 4 8 8 3 3 3 0 0 | |
| 1 2 3 1 1 2 3 1 2 3 1 2 | (1) Project Proposal - (0 1) | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 4 2 1 1 3 3 3 3 3 14 4 4 4 8 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 8 0 0 0 0 0 5 4 4 1 1 1 0 6 0 | 6 0 0 0 1 1 0 | 0 0 0 0 0 4 4 4 4 0 | 2 1 1 3 3 3 4 4 4 4 4 4 4 4 4 4 4 8 3 3 | |
| 1 2 3 1 1 2 3 1 2 3 | (1) Project Proposal - (0 1) | 2 14 1 0 0 0 1 3 3 3 3 14 12 4 4 4 4 2 1 1 1 3 3 3 3 3 3 14 4 4 4 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 | 8 0 0 0 0 0 5 4 4 1 1 0 6 0 | 6 0 0 0 1 0 | 0 0 0 0 0 4 4 4 0 | 1 1 3 3 3 3 4 4 4 4 4 4 4 4 4 4 8 8 3 3 3 0 0 | |