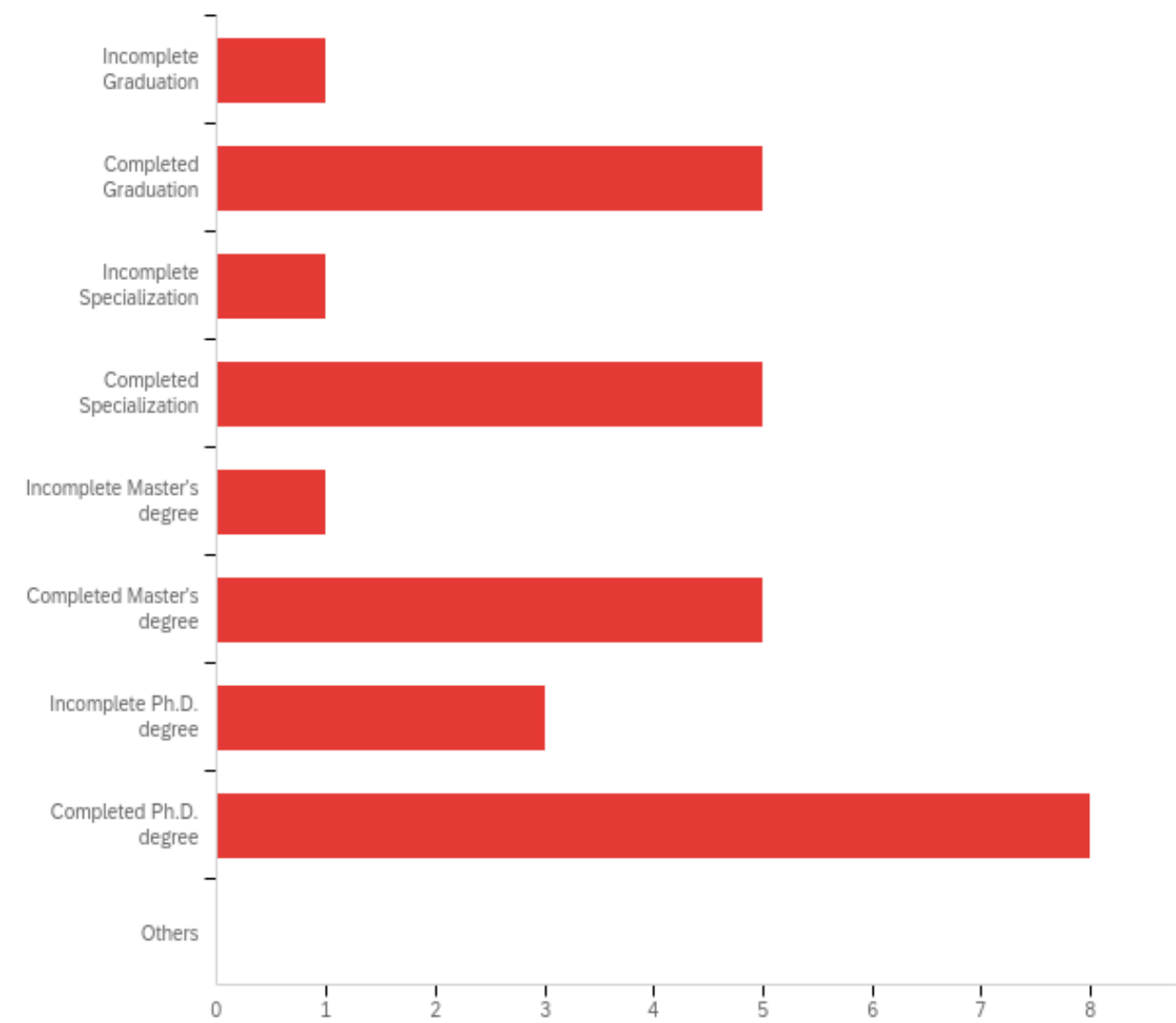


Report

SURVEY - Using AI/ML in Software Engineering
December 6th 2021, 2:48 pm -03

Q2.7 - A.5: Academic Background (Check how many courses you have. Consider 'incomplete' to be in progress, locked or canceled)

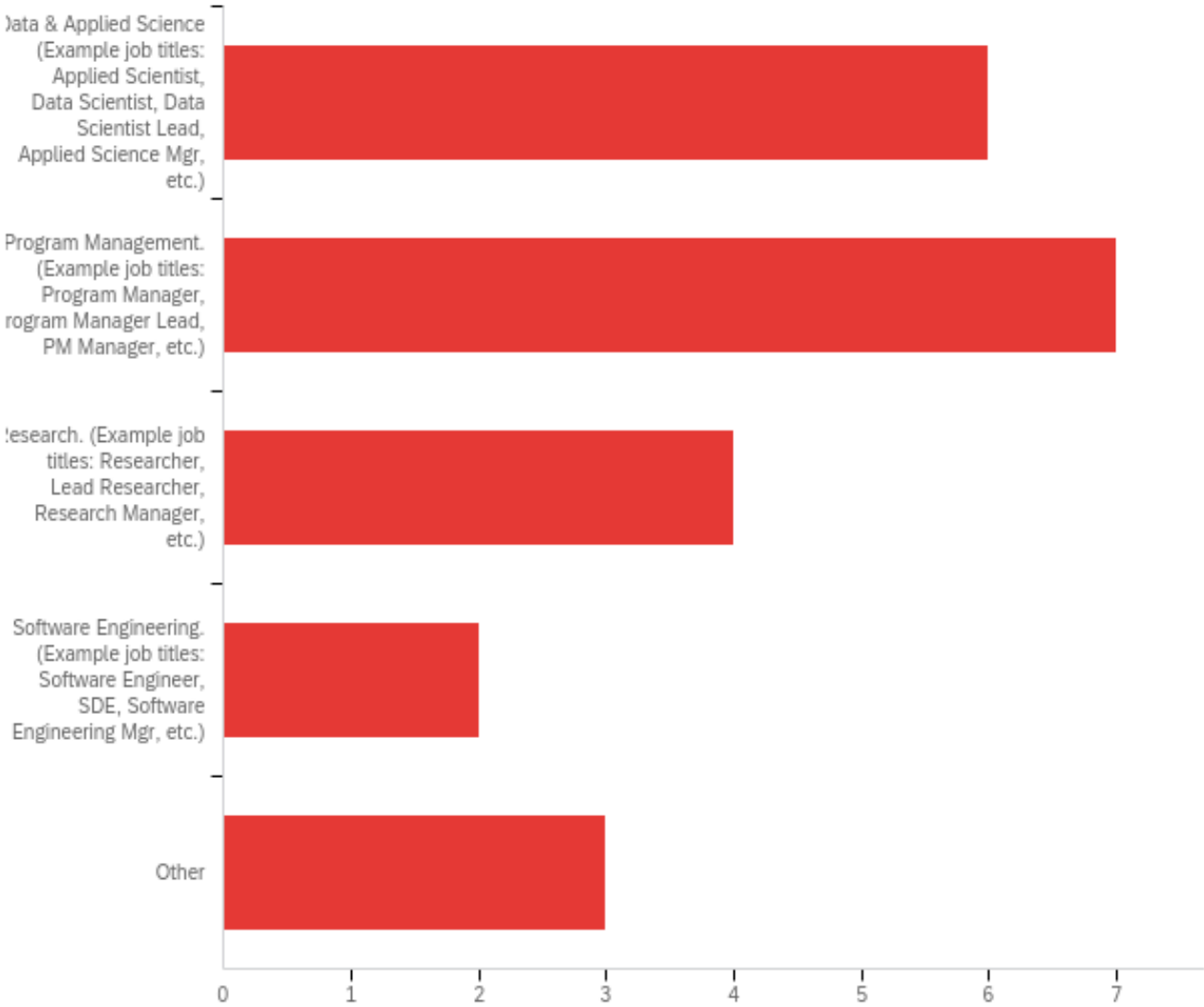


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| # | Answer | % | Count |
|---|-----------------------|-------|-------|
| 1 | Incomplete Graduation | 3.45% | 1 |

| | | | |
|---|----------------------------|--------|----|
| 2 | Completed Graduation | 17.24% | 5 |
| 3 | Incomplete Specialization | 3.45% | 1 |
| 4 | Completed Specialization | 17.24% | 5 |
| 5 | Incomplete Master's degree | 3.45% | 1 |
| 6 | Completed Master's degree | 17.24% | 5 |
| 7 | Incomplete Ph.D. degree | 10.34% | 3 |
| 8 | Completed Ph.D. degree | 27.59% | 8 |
| 9 | Others | 0.00% | 0 |
| | Total | 100% | 29 |

Q2.8 - A.6: What best describes your main area of work nowadays?

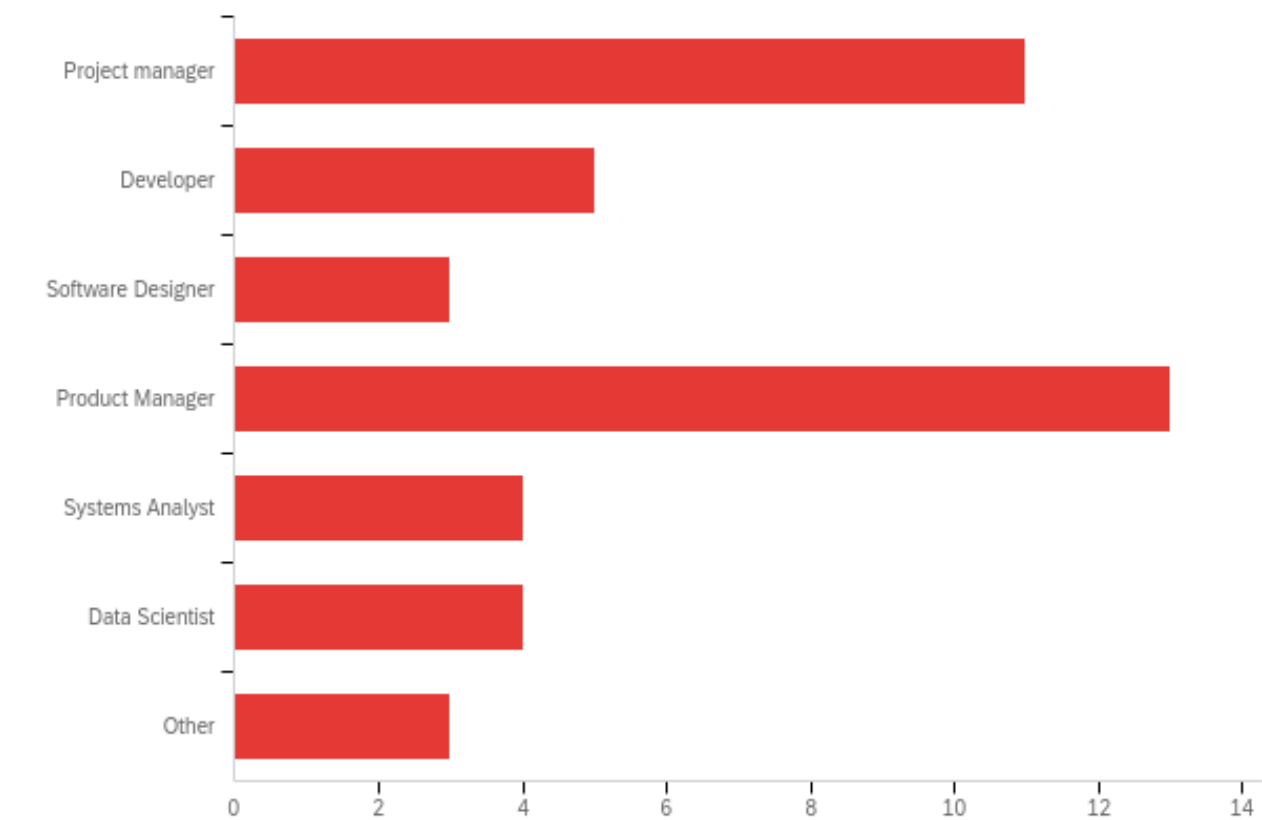


| # | Field | Minimum | Maximum | Mean | Std Deviation | Variance | Count |
|---|---|---------|---------|------|---------------|----------|-------|
| 1 | A.6: What best describes your main area of work nowadays? - Selected Choice | 1.00 | 5.00 | 2.50 | 1.34 | 1.80 | 22 |

| # | Answer | % | Count |
|---|--|--------|-------|
| 1 | Data & Applied Science (Example job titles: Applied Scientist, Data Scientist, Data Scientist Lead, Applied Science Mgr, etc.) | 27.27% | 6 |
| 2 | Program Management. (Example job titles: Program Manager, Program Manager Lead, PM Manager, etc.) | 31.82% | 7 |

| | | | |
|---|--|--------|----|
| 3 | Research. (Example job titles: Researcher, Lead Researcher, Research Manager, etc.) | 18.18% | 4 |
| 4 | Software Engineering. (Example job titles: Software Engineer, SDE, Software Engineering Mgr, etc.) | 9.09% | 2 |
| 5 | Other | 13.64% | 3 |
| | Total | 100% | 22 |

Q2.9 - A.7: What roles do you play in your team?



| # | Answer | % | Count |
|----|-------------------|--------|-------|
| 4 | Project manager | 25.58% | 11 |
| 5 | Developer | 11.63% | 5 |
| 6 | Software Designer | 6.98% | 3 |
| 7 | Product Manager | 30.23% | 13 |
| 8 | Systems Analyst | 9.30% | 4 |
| 9 | Data Scientist | 9.30% | 4 |
| 10 | Other | 6.98% | 3 |
| | Total | 100% | 43 |

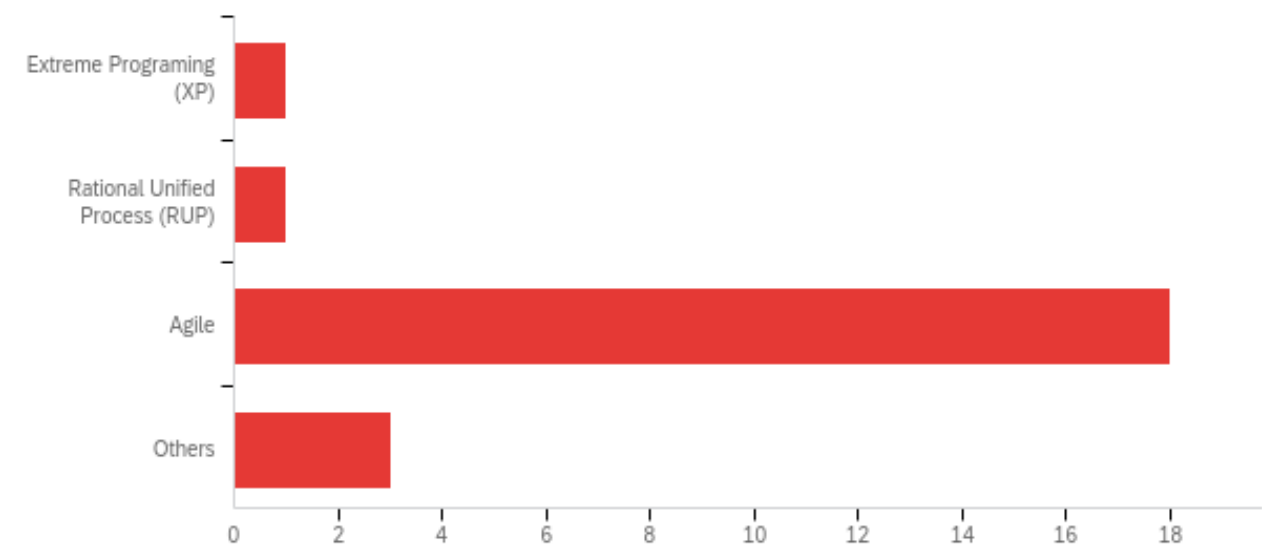
Q07_10_TEXT - Other

Other - Text

DevOps

ML engineer

Q2.10 - A.8: Which software development methodologies used for your team?



| # | Answer | % | Count |
|---|--------------------------------|--------|-------|
| 3 | Extreme Programing (XP) | 4.35% | 1 |
| 4 | Rational Unified Process (RUP) | 4.35% | 1 |
| 5 | Agile | 78.26% | 18 |
| 6 | Others | 13.04% | 3 |
| | Total | 100% | 23 |

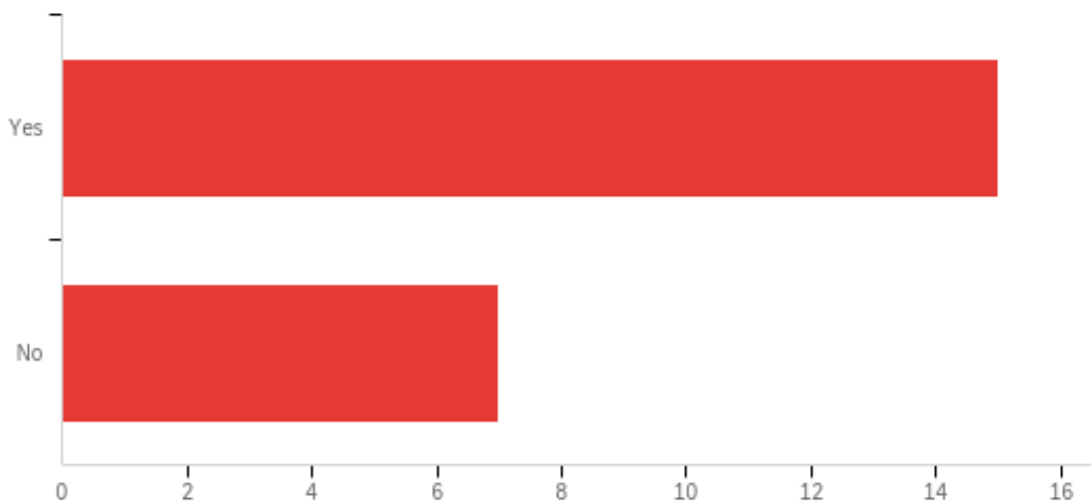
Q57_6_TEXT - Others

Others - Text

não usamos

Scrum

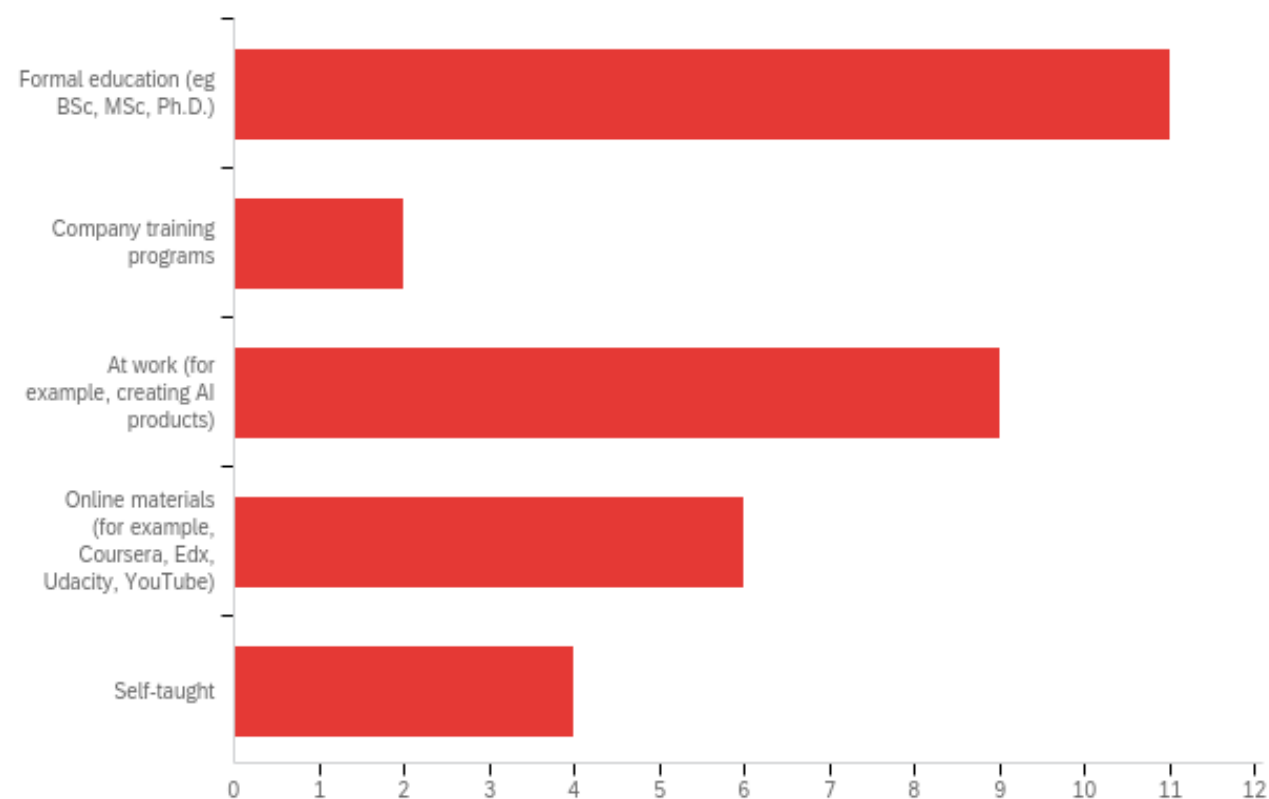
Q2.11 - A.9: Have you already worked with Artificial Intelligence/Machine Learning-based solutions?



| # | Field | Minimum | Maximum | Mean | Std Deviation | Variance | Count |
|---|---|---------|---------|------|---------------|----------|-------|
| 1 | A.9: Have you already worked with Artificial Intelligence/Machine Learning-based solutions? | 1.00 | 2.00 | 1.32 | 0.47 | 0.22 | 22 |

| # | Answer | % | Count |
|---|--------|--------|-------|
| 1 | Yes | 68.18% | 15 |
| 2 | No | 31.82% | 7 |
| | Total | 100% | 22 |

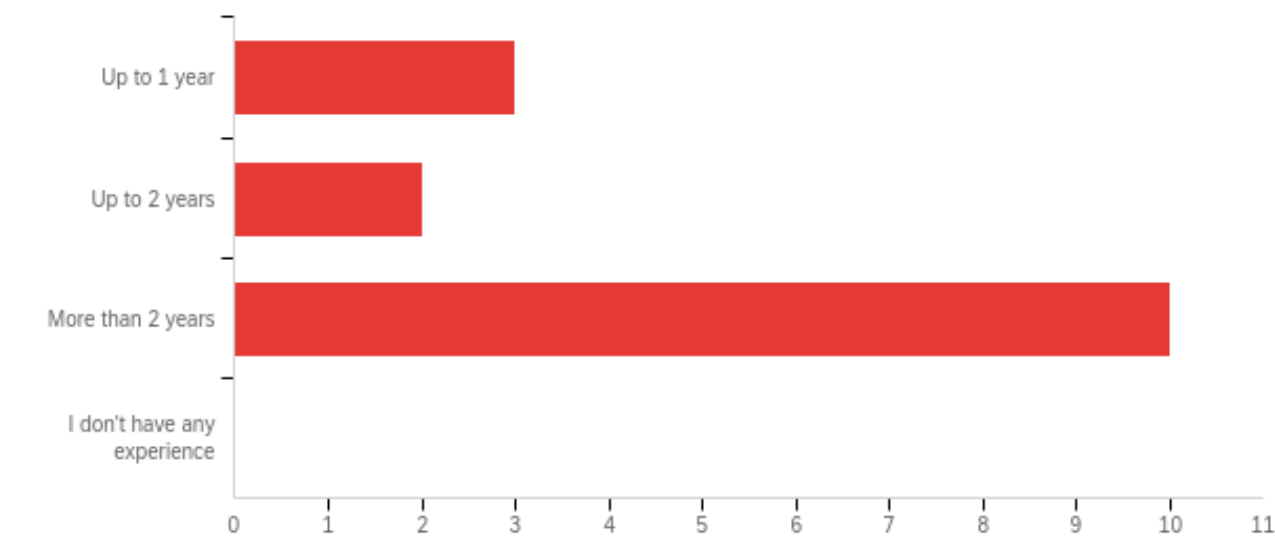
Q2.12 - A.10: Where did you acquire your basic Artificial Intelligence/Machine Learning skills and knowledge? (Select everything that applies)



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| # | Answer | % | Count |
|---|---|--------|-------|
| 1 | Formal education (eg BSc, MSc, Ph.D.) | 34.38% | 11 |
| 2 | Company training programs | 6.25% | 2 |
| 3 | At work (for example, creating AI products) | 28.13% | 9 |
| 4 | Online materials (for example, Coursera, Edx, Udacity, YouTube) | 18.75% | 6 |
| 5 | Self-taught | 12.50% | 4 |
| | Total | 100% | 32 |

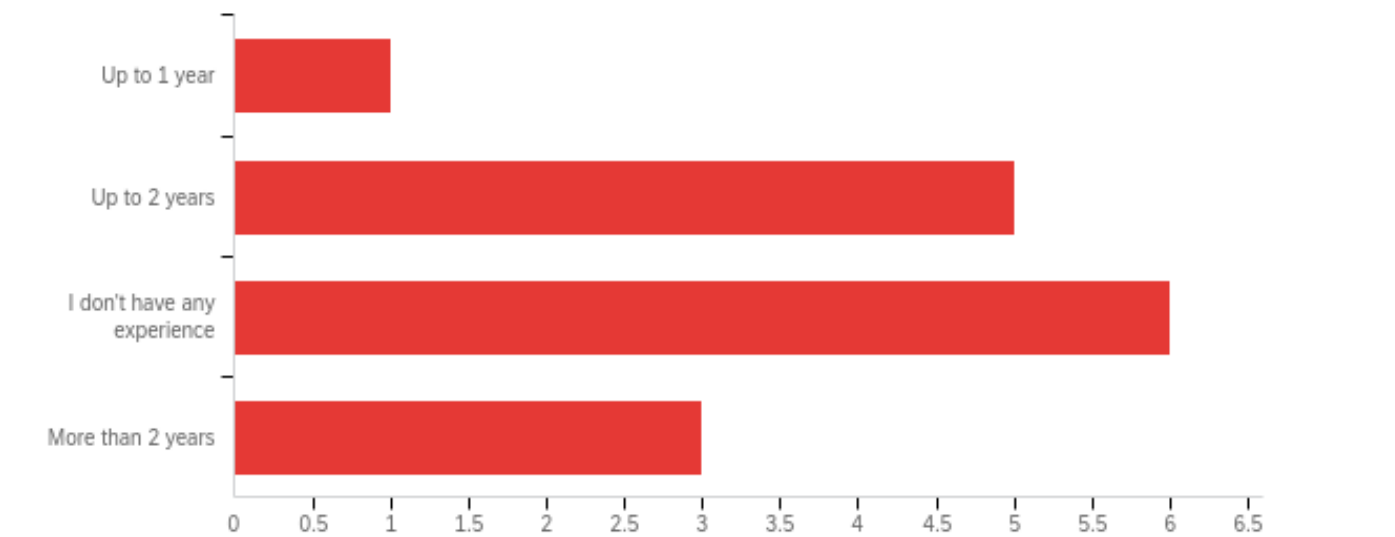
Q2.13 - A.11: How much experience do you have with using Artificial Intelligence/Machine Learning-based solutions?



| # | Field | Minimum | Maximum | Mean | Std Deviation | Variance | Count |
|---|--|---------|---------|------|---------------|----------|-------|
| 1 | A.11: How much experience do you have with using Artificial Intelligence/Machine Learning-based solutions? | 4.00 | 6.00 | 5.47 | 0.81 | 0.65 | 15 |

| # | Answer | % | Count |
|---|-----------------------------|--------|-------|
| 4 | Up to 1 year | 20.00% | 3 |
| 5 | Up to 2 years | 13.33% | 2 |
| 6 | More than 2 years | 66.67% | 10 |
| 7 | I don't have any experience | 0.00% | 0 |
| | Total | 100% | 15 |

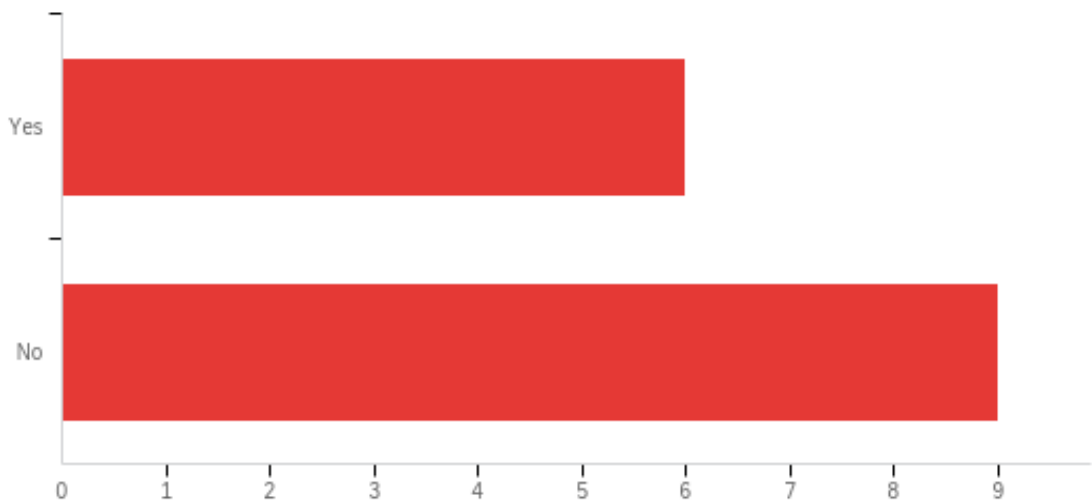
Q2.14 - A.12: How much experience do you have with using Artificial Intelligence/Machine Learning-based solutions TO SOLVE Software Project Tasks? (*If you have already used AI/ML techniques, tools, or algorithms, to solve some SE Tasks, such as to classify requirements, refactor software, predict software defects, estimate software effort, analyze code, etc.)



| # | Field | Minimum | Maximum | Mean | Std Deviation | Variance | Count |
|---|--|---------|---------|------|---------------|----------|-------|
| 1 | A.12: How much experience do you have with using Artificial Intelligence/Machine Learning-based solutions TO SOLVE Software Project Tasks? (*If you have already used AI/ML techniques, tools, or algorithms, to solve some SE Tasks, such as to classify requirements, refactor software, predict software defects, estimate software effort, analyze code, etc.) | 4.00 | 8.00 | 6.33 | 1.30 | 1.69 | 15 |

| # | Answer | % | Count |
|---|-----------------------------|--------|-------|
| 4 | Up to 1 year | 6.67% | 1 |
| 5 | Up to 2 years | 33.33% | 5 |
| 7 | I don't have any experience | 40.00% | 6 |
| 8 | More than 2 years | 20.00% | 3 |
| | Total | 100% | 15 |

Q2.15 - A.13: Have you or your team already used Artificial Intelligence/Machine Learning-based solutions TO AUTOMATE any phase of the Software Development Process? (*Consider how to "automate" if, after using AI/ML techniques, tools, or algorithms, you have turned any of the Phases of Software Development, which previously needed human intervention, into an automated process, without the need for constant manual intervention.)



| # | Field | Minimum | Maximum | Mean | Std Deviation | Variance | Count |
|---|---|---------|---------|------|---------------|----------|-------|
| 1 | A.13: Have you or your team already used Artificial Intelligence/Machine Learning-based solutions TO AUTOMATE any phase of the Software Development Process? (*Consider how to "automate" if, after using AI/ML techniques, tools, or algorithms, you have turned any of the Phases of Software Development, which previously needed human intervention, into an automated process, without the need for constant manual intervention.) | 4.00 | 5.00 | 4.60 | 0.49 | 0.24 | 15 |

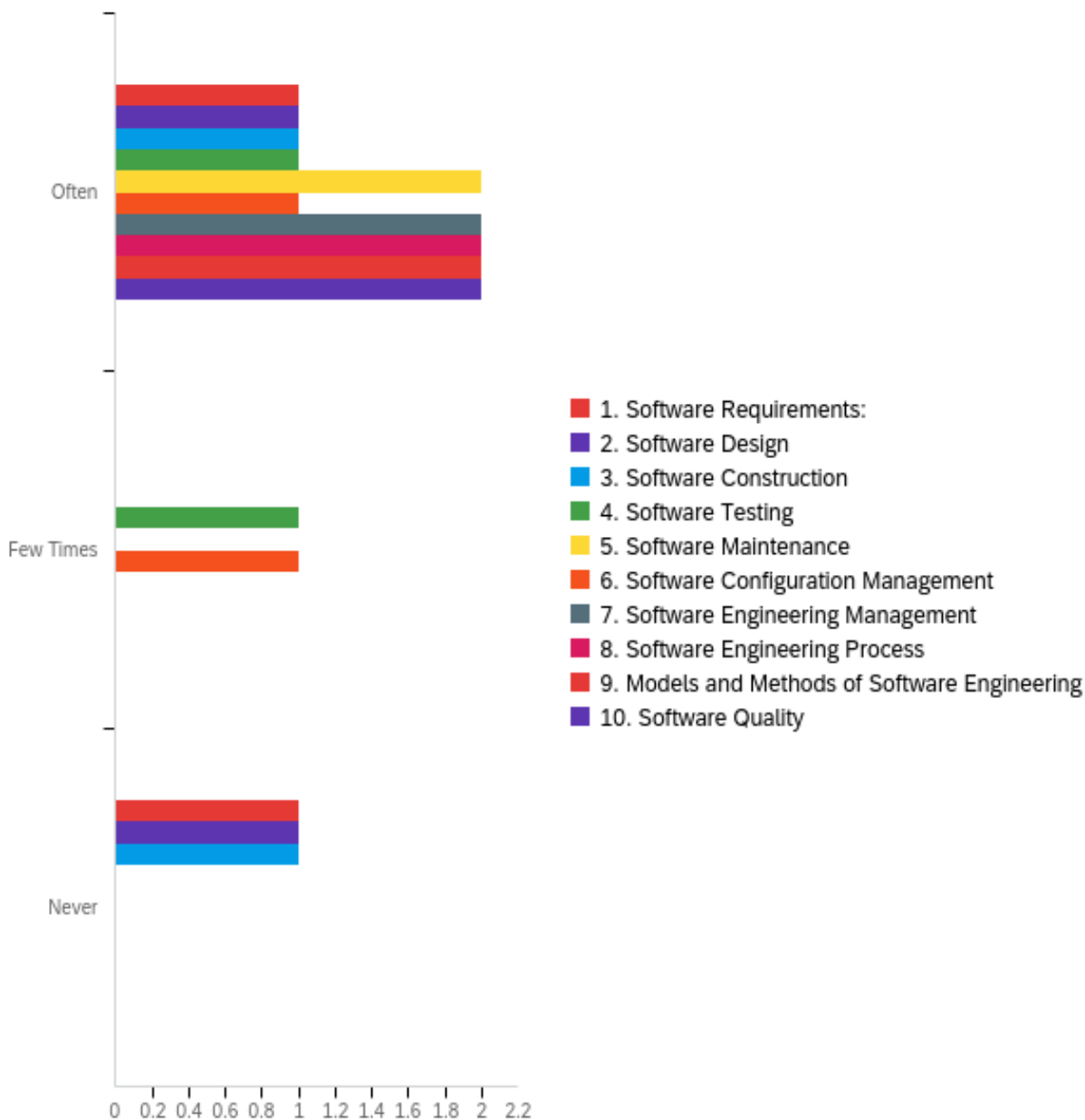
| # | Answer | % | Count |
|---|--------|--------|-------|
| 4 | Yes | 40.00% | 6 |
| 5 | No | 60.00% | 9 |

Total

100%

15

Q3.3 - B.1: What phases of software development have you or your team automated using Artificial Intelligence/Machine Learning?

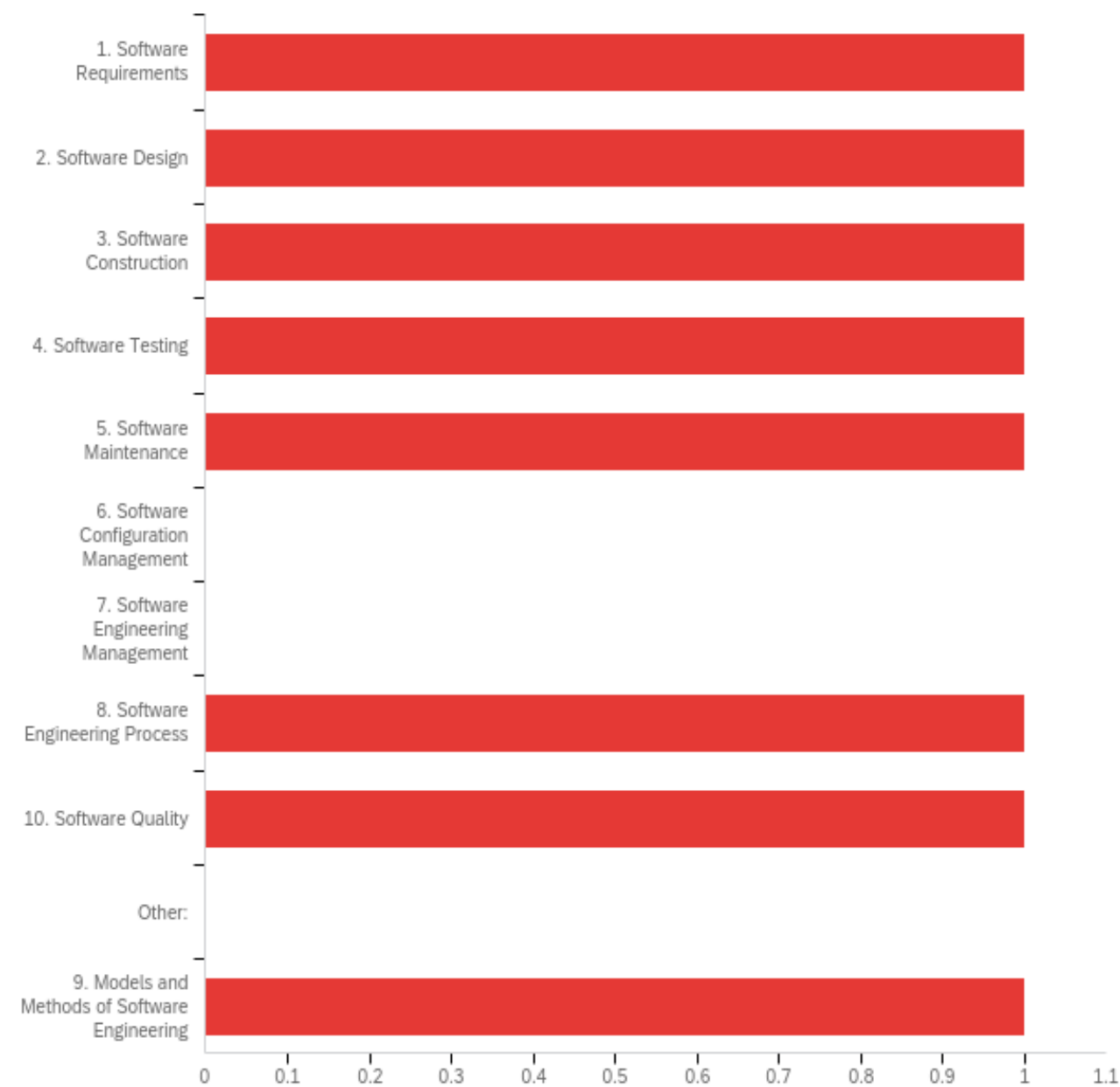


| # | Field | Minimum | Maximum | Mean | Std Deviation | Variance | Count |
|---|---------------------------|---------|---------|------|------------------|----------|-------|
| 1 | 1. Software Requirements: | 1.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2 |
| 2 | 2. Software Design | 1.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2 |
| 3 | 3. Software Construction | 1.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2 |
| 4 | 4. Software Testing | 1.00 | 2.00 | 1.50 | 0.50 | 0.25 | 2 |

| | | | | | | | |
|----|---|------|------|------|------|------|---|
| 5 | 5. Software Maintenance | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 2 |
| 6 | 6. Software Configuration Management | 1.00 | 2.00 | 1.50 | 0.50 | 0.25 | 2 |
| 7 | 7. Software Engineering Management | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 2 |
| 8 | 8. Software Engineering Process | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 2 |
| 9 | 9. Models and Methods of Software Engineering | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 2 |
| 10 | 10. Software Quality | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 2 |

| # | Question | Often | | Few Times | | Never | | Total |
|----|---|---------|---|-----------|---|--------|---|-------|
| 1 | 1. Software Requirements: | 50.00% | 1 | 0.00% | 0 | 50.00% | 1 | 2 |
| 2 | 2. Software Design | 50.00% | 1 | 0.00% | 0 | 50.00% | 1 | 2 |
| 3 | 3. Software Construction | 50.00% | 1 | 0.00% | 0 | 50.00% | 1 | 2 |
| 4 | 4. Software Testing | 50.00% | 1 | 50.00% | 1 | 0.00% | 0 | 2 |
| 5 | 5. Software Maintenance | 100.00% | 2 | 0.00% | 0 | 0.00% | 0 | 2 |
| 6 | 6. Software Configuration Management | 50.00% | 1 | 50.00% | 1 | 0.00% | 0 | 2 |
| 7 | 7. Software Engineering Management | 100.00% | 2 | 0.00% | 0 | 0.00% | 0 | 2 |
| 8 | 8. Software Engineering Process | 100.00% | 2 | 0.00% | 0 | 0.00% | 0 | 2 |
| 9 | 9. Models and Methods of Software Engineering | 100.00% | 2 | 0.00% | 0 | 0.00% | 0 | 2 |
| 10 | 10. Software Quality | 100.00% | 2 | 0.00% | 0 | 0.00% | 0 | 2 |

Q3.4 - B.2: For each Phase of the Software Development previously selected, briefly describe HOW the automation of the Development Process was carried out:



| # | Answer | % | Count |
|---|--------------------------|--------|-------|
| 1 | 1. Software Requirements | 12.50% | 1 |
| 2 | 2. Software Design | 12.50% | 1 |
| 3 | 3. Software Construction | 12.50% | 1 |
| 4 | 4. Software Testing | 12.50% | 1 |

| | | | |
|----|---|--------|---|
| 5 | 5. Software Maintenance | 12.50% | 1 |
| 6 | 6. Software Configuration Management | 0.00% | 0 |
| 7 | 7. Software Engineering Management | 0.00% | 0 |
| 8 | 8. Software Engineering Process | 12.50% | 1 |
| 10 | 10. Software Quality | 12.50% | 1 |
| 11 | Other: | 0.00% | 0 |
| 12 | 9. Models and Methods of Software Engineering | 12.50% | 1 |
| | Total | 100% | 8 |

Q49_1_TEXT - 1. Software Requirements: Understands the process, obtaining, analyzing, sp...

1. Software Requirements - Text

Q49_2_TEXT - 2. Software Design: Describes the processes for creating the software struc...

2. Software Design - Text

We build automation tools to help developers.

Q49_3_TEXT - 3. Software Construction: Presents tools and technologies for software deve...

3. Software Construction - Text

We build automation tools to help developers.

Q49_4_TEXT - 4. Software Testing: Addresses the phases, tools, techniques, processes, an...

4. Software Testing - Text

We build automation tools to help developers.

Q49_5_TEXT - 5. Software Maintenance: Comprises processes, techniques, and the main issu...

5. Software Maintenance - Text

We build automation tools to help developers.

Q49_6_TEXT - 6. Software Configuration Management: Presents how to plan and control the...

6. Software Configuration Management - Text

Q49_7_TEXT - 7. Software Engineering Management: It presents the processes related to th...

7. Software Engineering Management - Text

Q49_8_TEXT - 8. Software Engineering Process: It addresses the definition of the process...

8. Software Engineering Process - Text

We build automation tools to help developers.

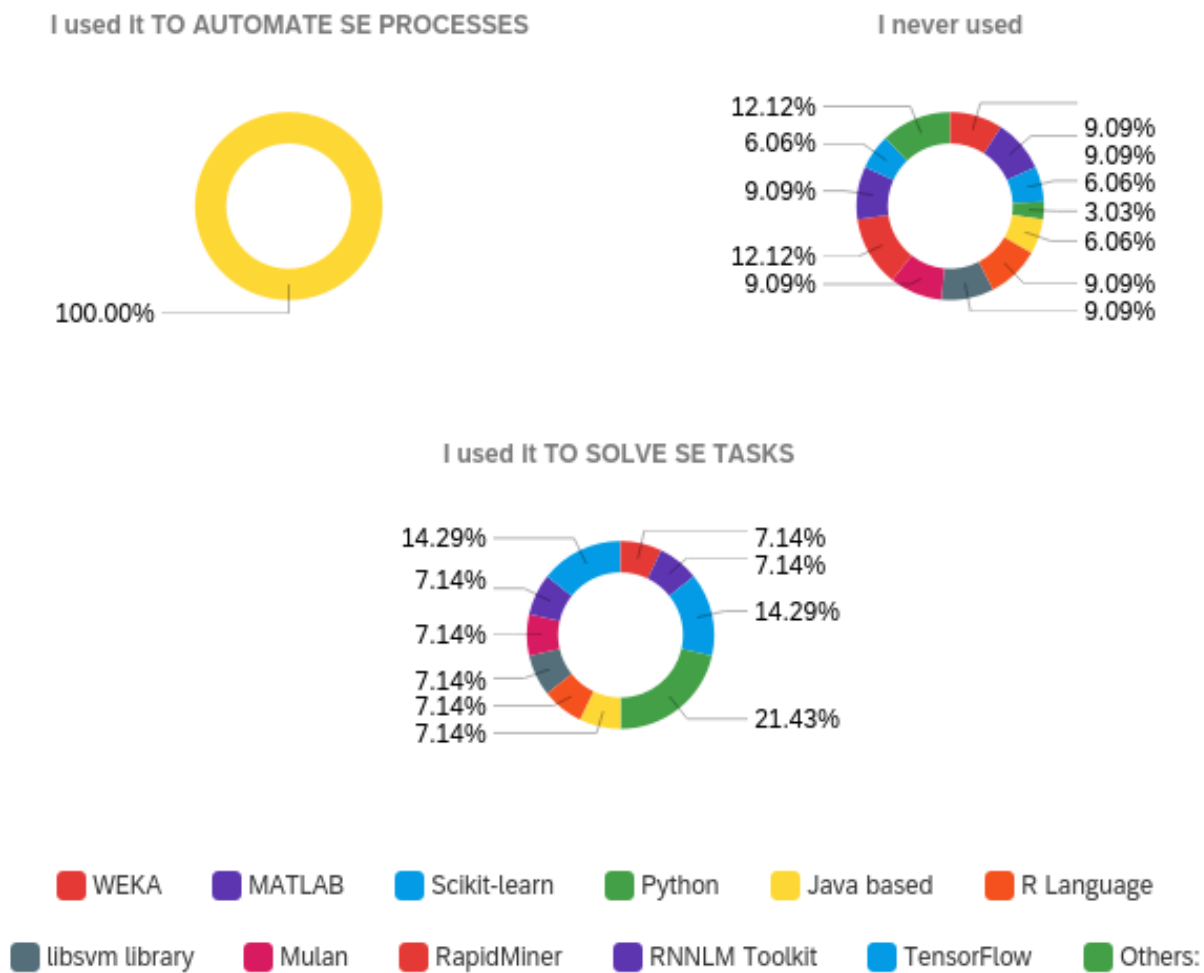
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Q49_10_TEXT - 10. Software Quality: Introduces processes to manage and maintain the softw...

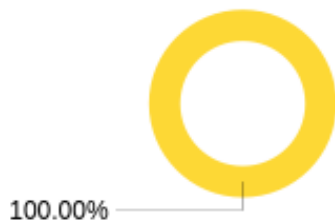
10. Software Quality - Text

We build automation tools to help developers.

Q4.2 - C.1: What ML TOOLS do you or your team already used TO AUTOMATE SE PROCESSES? And Which Machine Learning TOOLS have you or your team already used TO SOLVE any Software Engineering TASK?



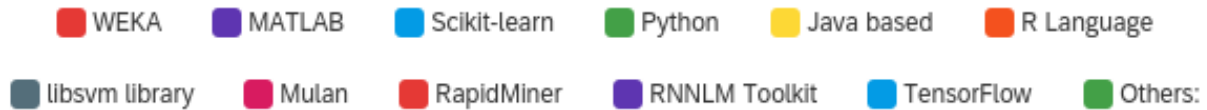
I used It TO AUTOMATE SE PROCESSES



I never used



I used It TO SOLVE SE TASKS



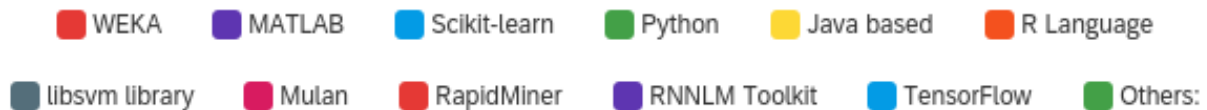
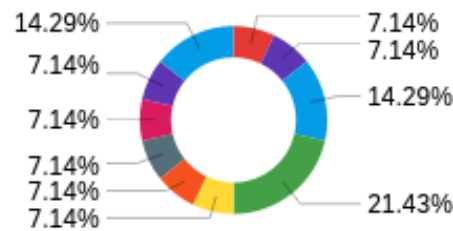
I used It TO AUTOMATE SE PROCESSES



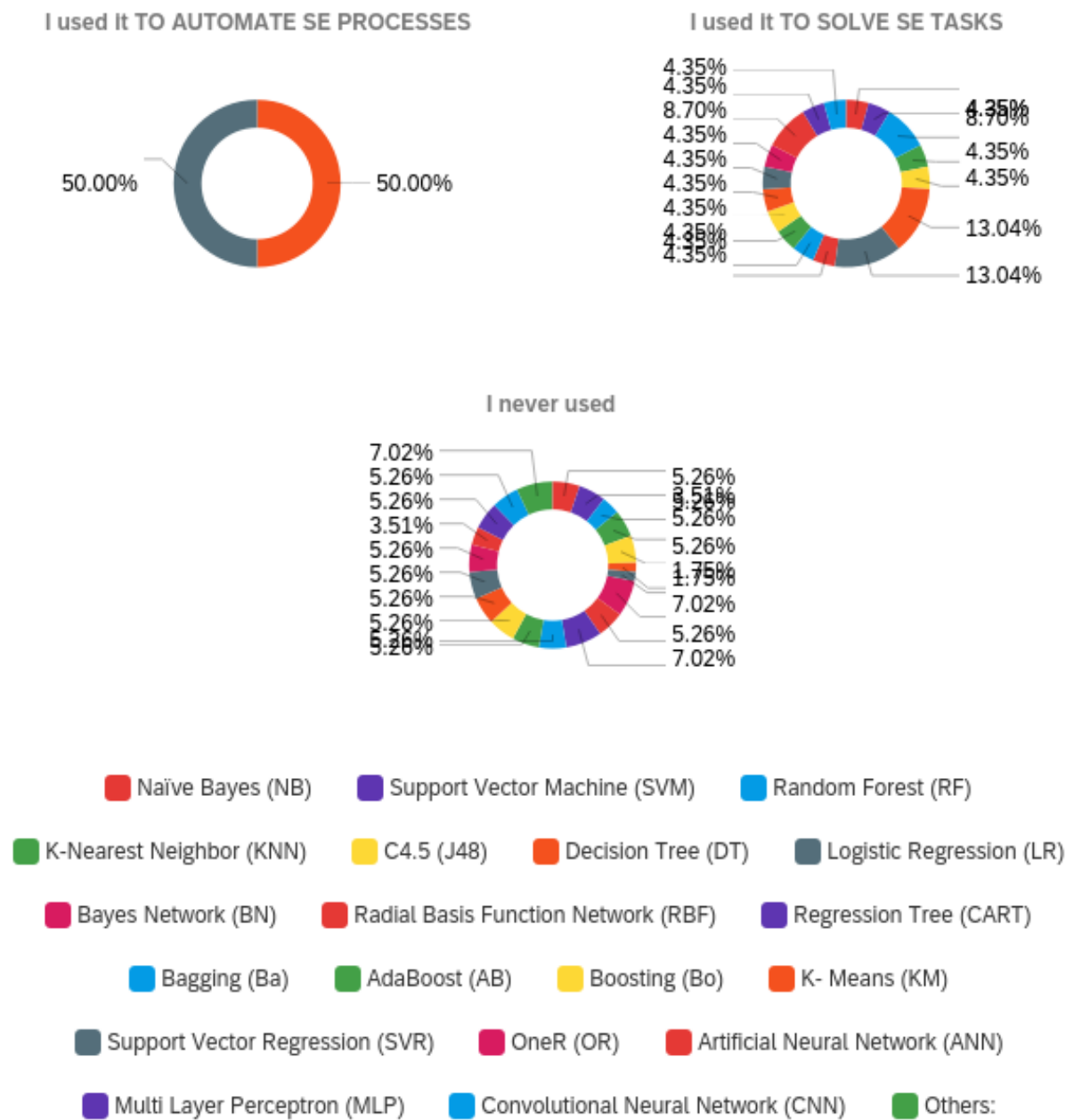
I never used



I used It TO SOLVE SE TASKS



Q4.3 - C.2: What ML TECHNIQUES have you or your team already used TO AUTOMATE SE PROCESSES? And Which Machine Learning TECHNIQUES have you or your team already used TO SOLVE any Software Engineering TASK?



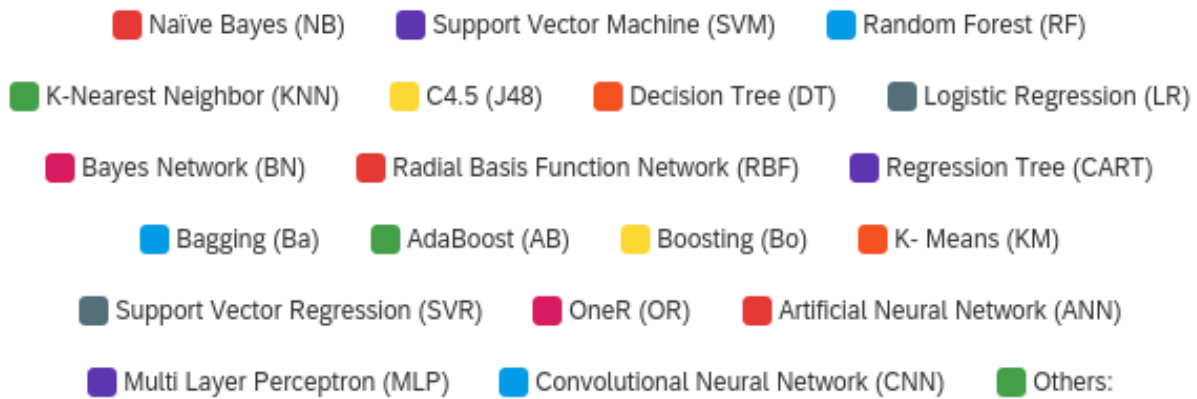
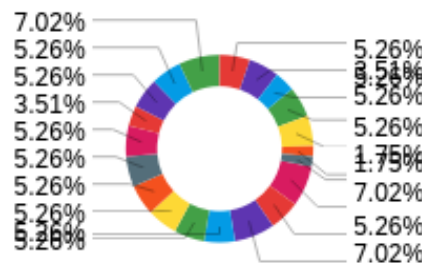
I used It TO AUTOMATE SE PROCESSES



I used It TO SOLVE SE TASKS



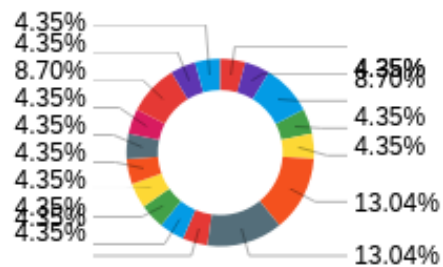
I never used



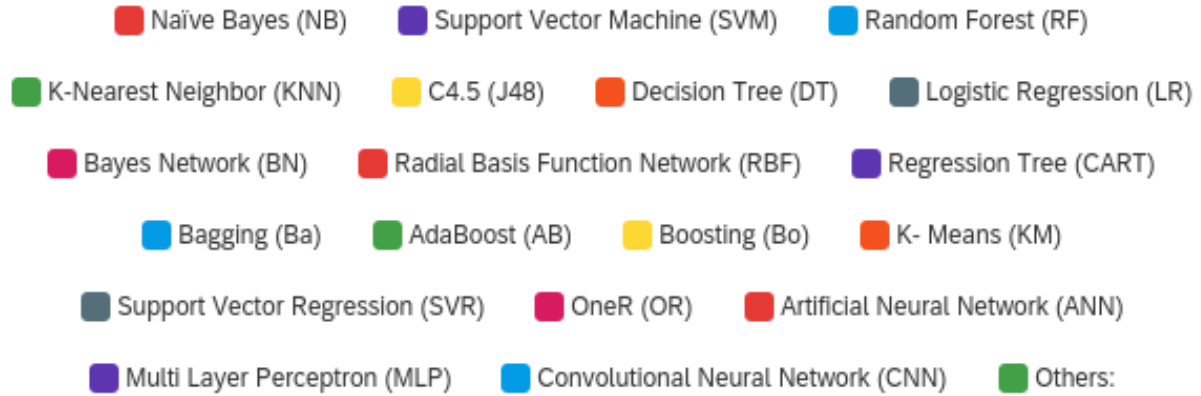
I used It TO AUTOMATE SE PROCESSES



I used It TO SOLVE SE TASKS



I never used



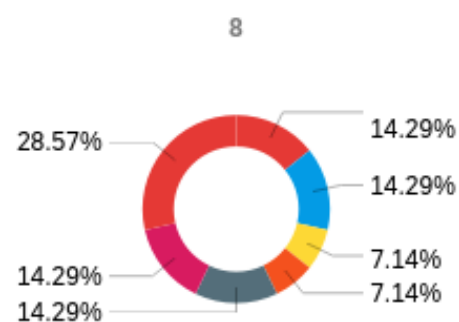
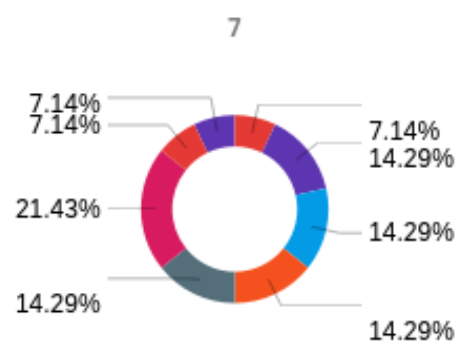
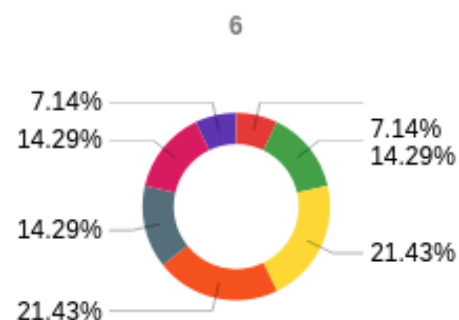
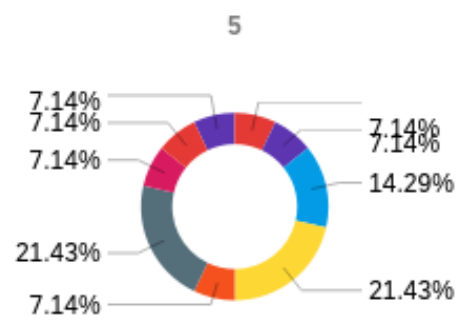
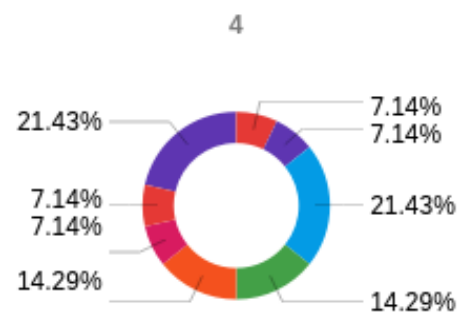
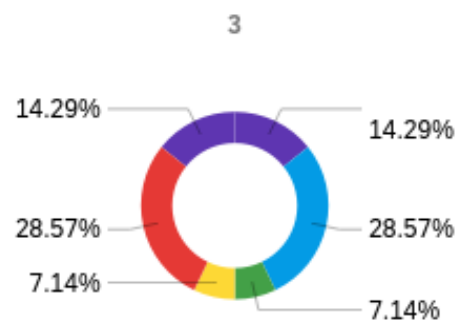
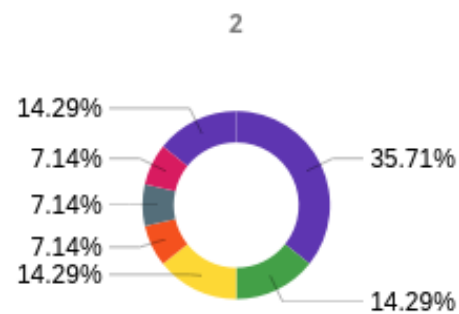
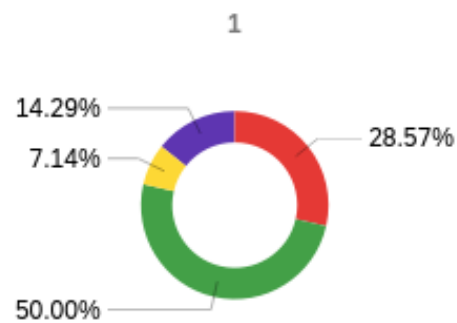
Q5.2 - D.1: What kind of product, resource, or service have you or your team ever used Artificial Intelligence/Machine Learning to automate the development phases? How was this AUTOMATION of Development Phases done?

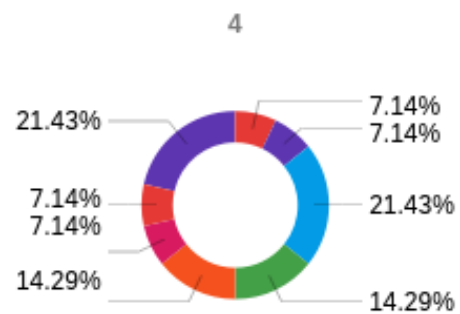
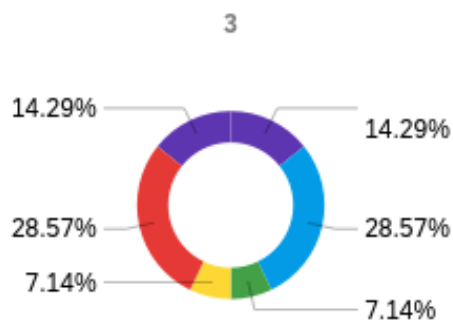
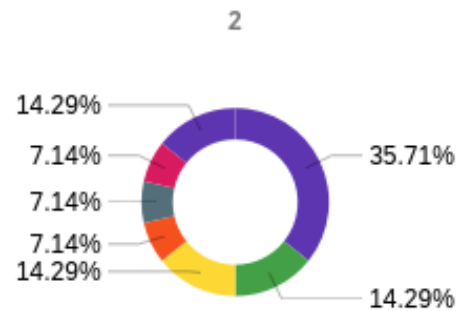
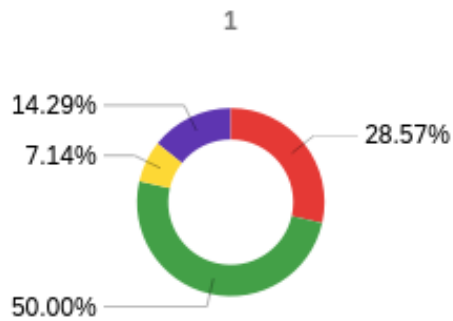
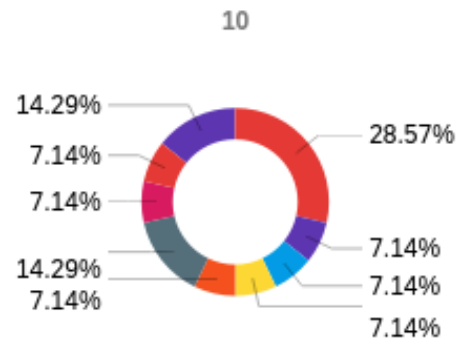
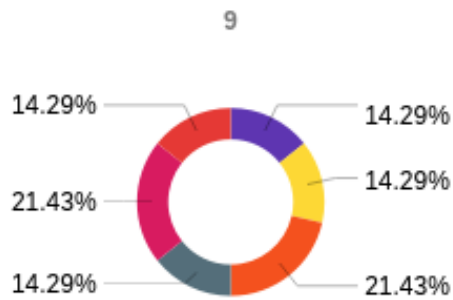
D.1: What kind of product, resource, or service have you or your team ever used Artificial Intelligence/Machine Learning to automate the development phases? How was this AUTOMATION of Development Phases done?

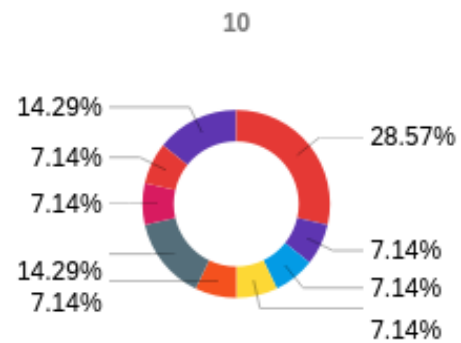
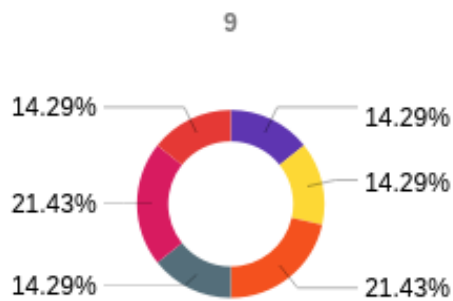
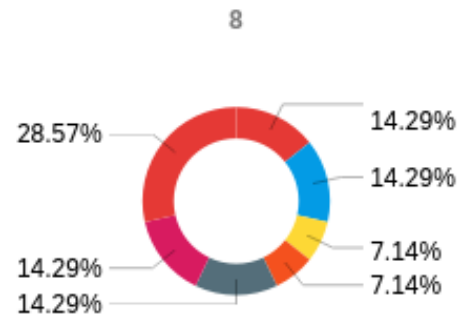
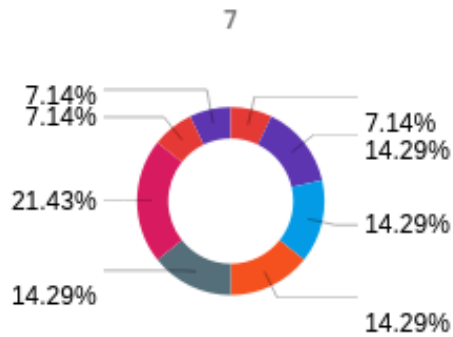
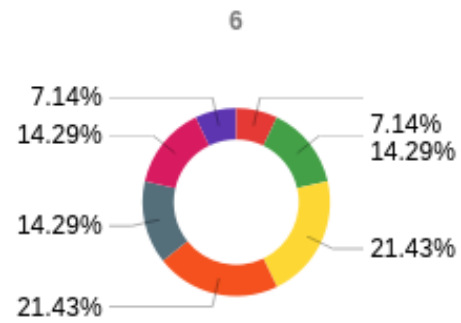
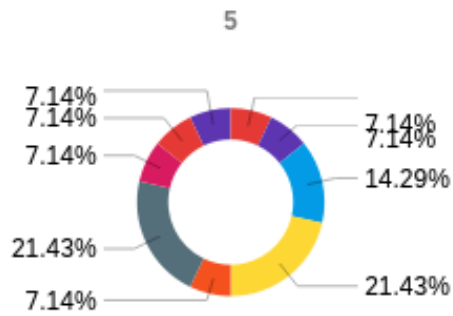
We build research tools that are meant to help developers to improve their software development / maintenance tasks.

Coleta e análise de documentos para score

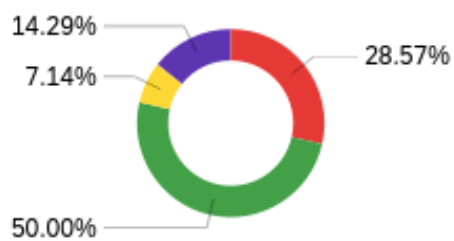
Q6.3 - What phases of software development would you like to automate with AI/ML to facilitate the development process?



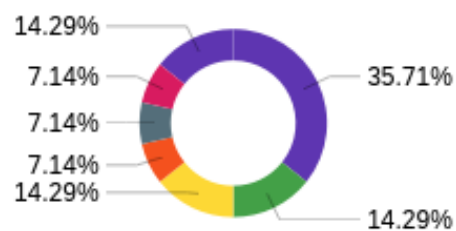




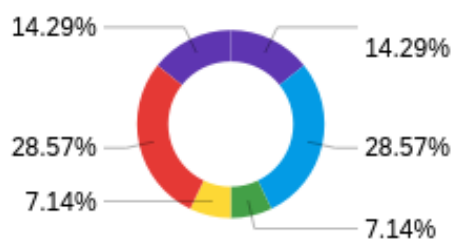
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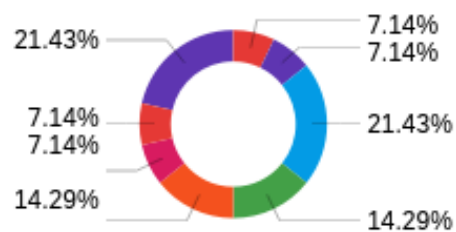
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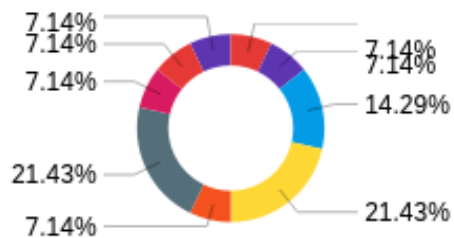
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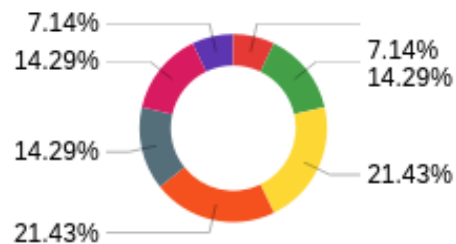
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5



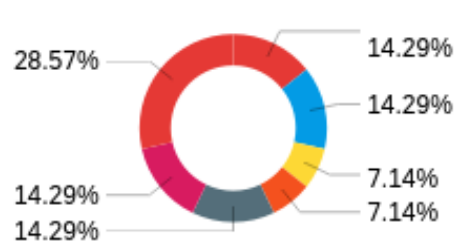
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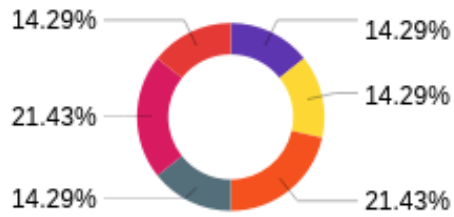
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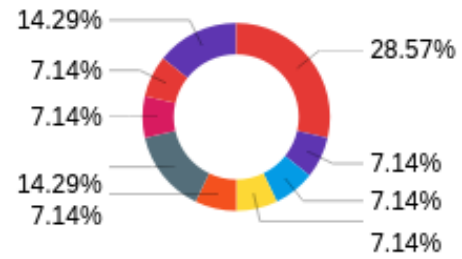
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9



10



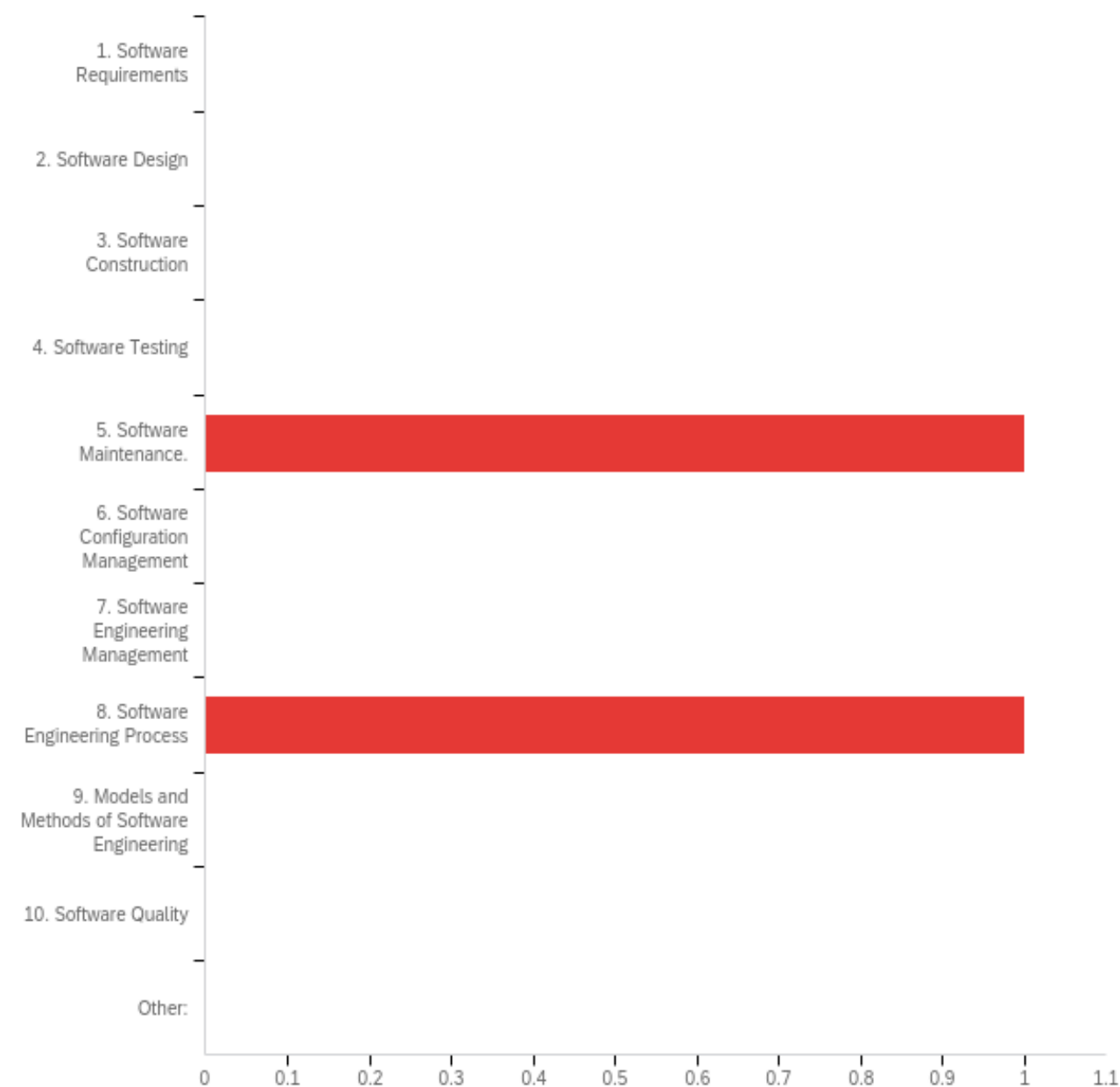
1. Software Requirements 2. Software Design 3. Software Construction

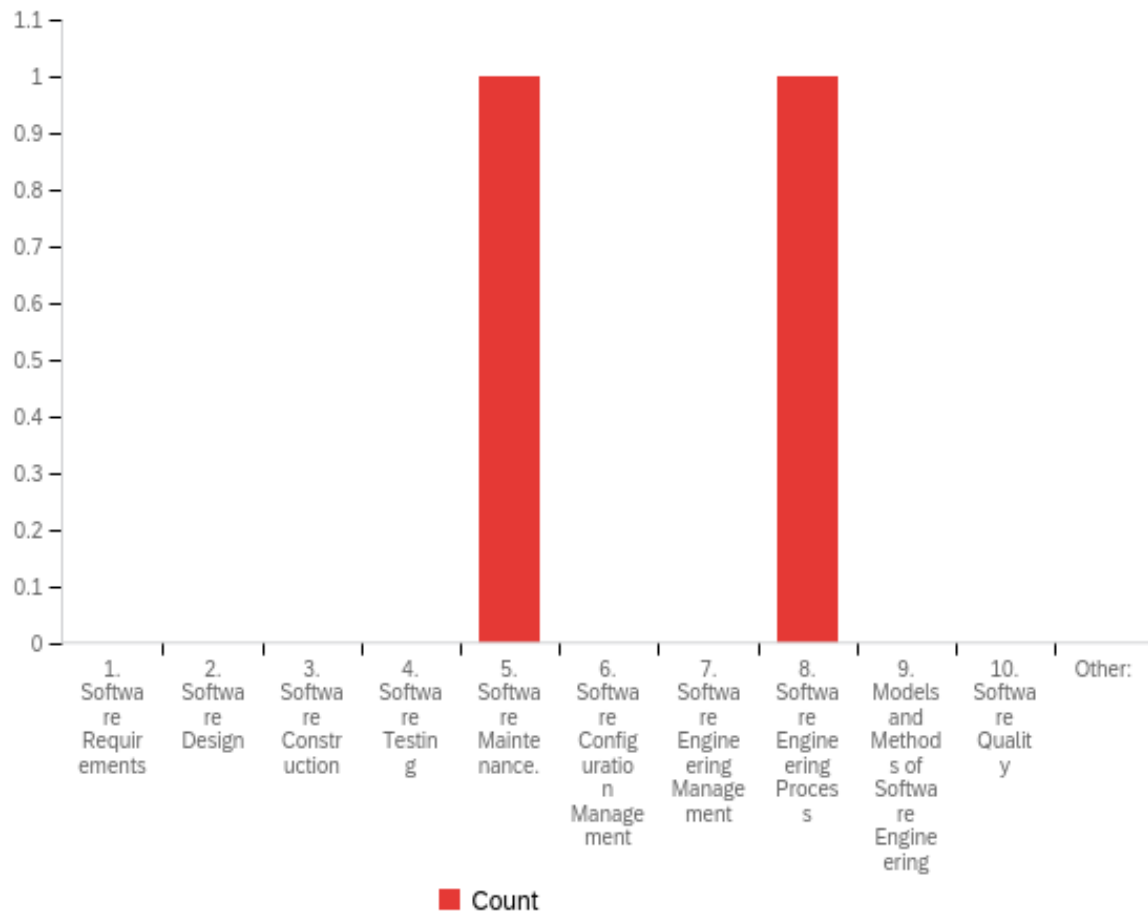
4. Software Testing 5. Software Maintenance 6. Software Configuration Management

7. Software Engineering Management 8. Software Engineering Process

9. Models and Methods of Software Engineering 10. Software Quality

Q7.2 - F.1: What CHALLENGES did you and your team face during the AUTOMATION of Development Phases?





Q44_1_TEXT - 1. Software Requirements: Understands the process, obtaining, analyzing, sp...

1. Software Requirements - Text

Q44_2_TEXT - 2. Software Design: Describes the processes for creating the software struc...

2. Software Design - Text

Q44_3_TEXT - 3. Software Construction: Presents tools and technologies for software deve...

3. Software Construction - Text

Q44_4_TEXT - 4. Software Testing: Addresses the phases, tools, techniques, processes, an...

4. Software Testing - Text

Q44_5_TEXT - 5. Software Maintenance: Comprises processes, techniques, and the main issu...

5. Software Maintenance. - Text

Low quality data.

Q44_6_TEXT - 6. Software Configuration Management: Presents how to plan and control the...

6. Software Configuration Management - Text

Q44_7_TEXT - 7. Software Engineering Management: It presents the processes related to th...

7. Software Engineering Management - Text

Q44_8_TEXT - 8. Software Engineering Process: It addresses the definition of the process...

8. Software Engineering Process - Text

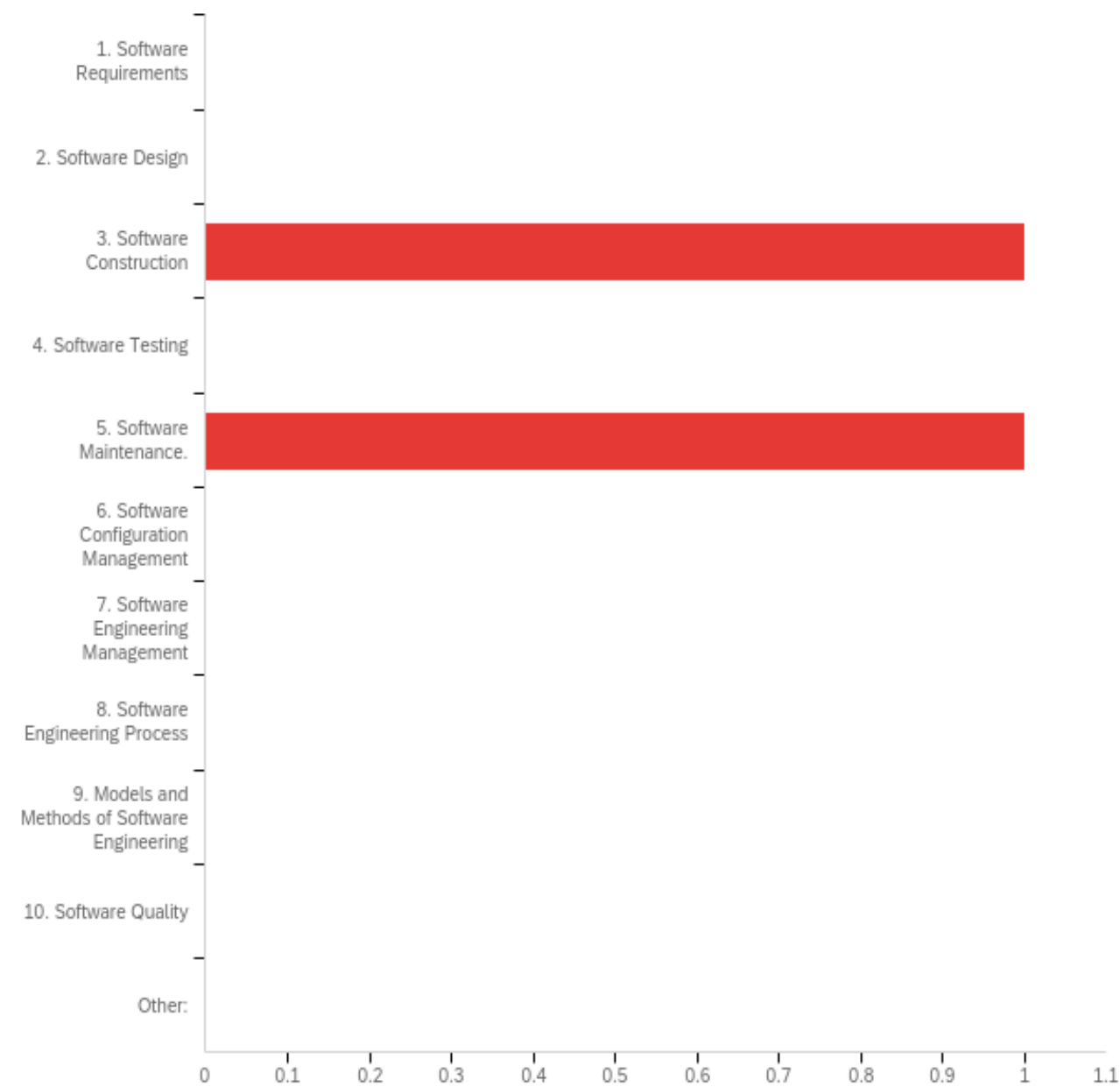
Q44_9_TEXT - 9. Models and Methods of Software Engineering: It presents the types of mod...

9. Models and Methods of Software Engineering - Text

Q44_10_TEXT - 10. Software Quality: Introduces processes to manage and maintain the softwa...

10. Software Quality - Text

Q7.3 - F.2: What were the SOLUTIONS found for these challenges?



| # | Answer | % | Count |
|---|--------------------------|--------|-------|
| 1 | 1. Software Requirements | 0.00% | 0 |
| 2 | 2. Software Design | 0.00% | 0 |
| 3 | 3. Software Construction | 50.00% | 1 |
| 4 | 4. Software Testing | 0.00% | 0 |
| 5 | 5. Software Maintenance. | 50.00% | 1 |

| | | | |
|----|---|-------|---|
| 6 | 6. Software Configuration Management | 0.00% | 0 |
| 7 | 7. Software Engineering Management | 0.00% | 0 |
| 8 | 8. Software Engineering Process | 0.00% | 0 |
| 9 | 9. Models and Methods of Software Engineering | 0.00% | 0 |
| 10 | 10. Software Quality | 0.00% | 0 |
| 21 | Other: | 0.00% | 0 |
| | Total | 100% | 2 |

Q7.3_1_TEXT - 1. Requisitos de Software

1. Software Requirements - Text

Q7.3_2_TEXT - 2. Design de Software

2. Software Design - Text

Q7.3_3_TEXT - 3. Construção de Software

3. Software Construction - Text

Q7.3_4_TEXT - 4. Teste de Software

4. Software Testing - Text

Q7.3_5_TEXT - 5. Manutenção de Software

5. Software Maintenance. - Text

We need to clean the data.

Q7.3_6_TEXT - 6. Gerenciamento de Configuração de Software

6. Software Configuration Management - Text

Q7.3_7_TEXT - 7. Gerenciamento de Engenharia de Software

7. Software Engineering Management - Text

Q7.3_8_TEXT - 8. Processo de Engenharia de Software

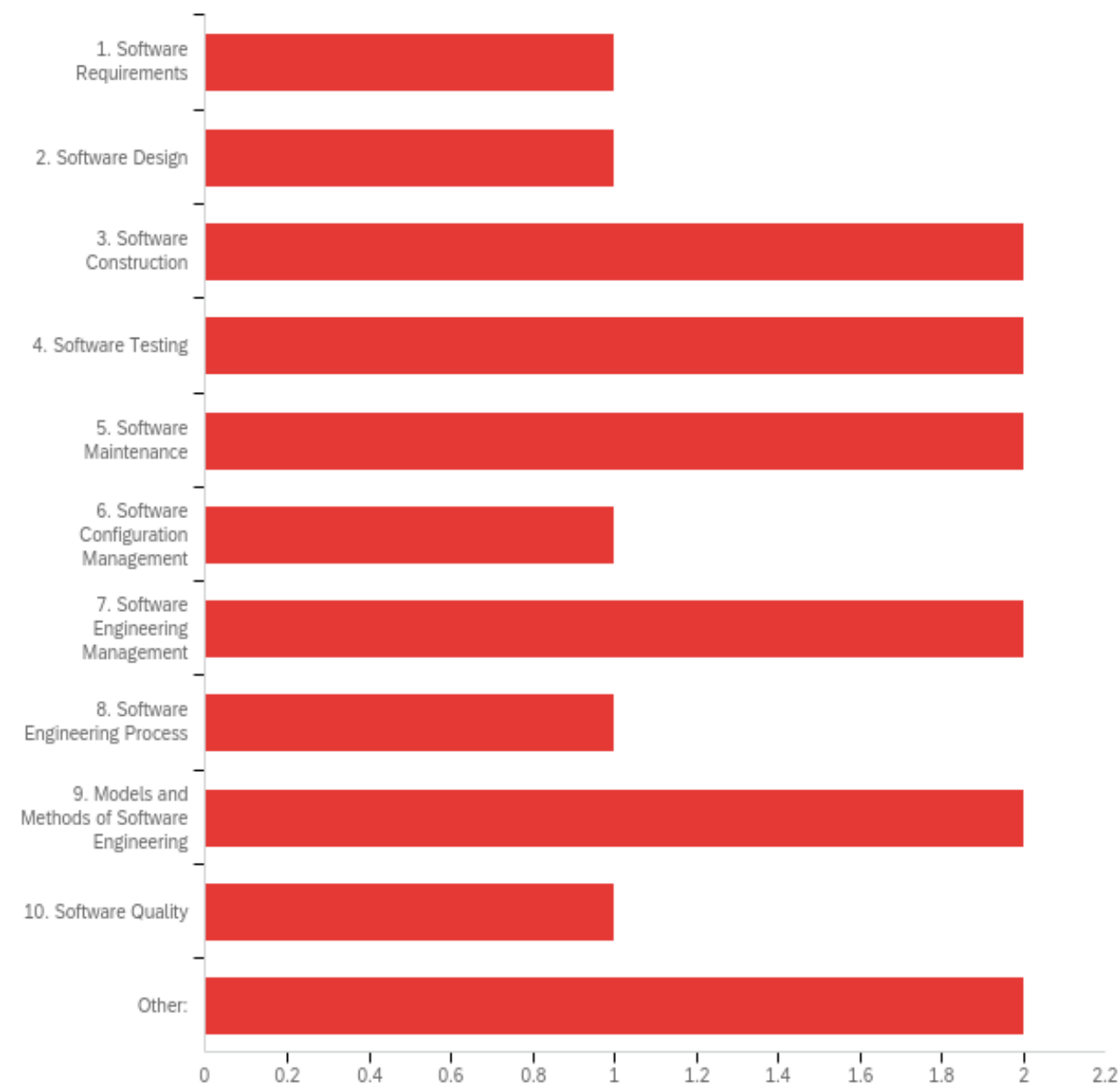
8. Software Engineering Process - Text

Q7.3_9_TEXT - 9. Modelos e Métodos de Engenharia de Software
9. Models and Methods of Software Engineering - Text

Q7.3_10_TEXT - 10. Qualidade de Software
10. Software Quality - Text

Q7.3_21_TEXT - Outro:
Other: - Text

Q7.4 - F.3: What CHALLENGES did you and your team face during the Development Phases TO SOLVE Software Engineering tasks?



| # | Answer | % | Count |
|---|--------------------------|--------|-------|
| 1 | 1. Software Requirements | 5.88% | 1 |
| 2 | 2. Software Design | 5.88% | 1 |
| 3 | 3. Software Construction | 11.76% | 2 |
| 4 | 4. Software Testing | 11.76% | 2 |

| | | | |
|----|---|--------|----|
| 5 | 5. Software Maintenance | 11.76% | 2 |
| 6 | 6. Software Configuration Management | 5.88% | 1 |
| 7 | 7. Software Engineering Management | 11.76% | 2 |
| 8 | 8. Software Engineering Process | 5.88% | 1 |
| 9 | 9. Models and Methods of Software Engineering | 11.76% | 2 |
| 10 | 10. Software Quality | 5.88% | 1 |
| 21 | Other: | 11.76% | 2 |
| | Total | 100% | 17 |

Q53_1_TEXT - 1. Requisitos de software : compreende o processo, obtendo, analisando, esp...

1. Software Requirements - Text

.

Q53_2_TEXT - 2. Design de software : Descreve os processos de criação da estrutura e arq...

2. Software Design - Text

.

Q53_3_TEXT - 3. Construção de software : Apresenta ferramentas e tecnologias para desenv...

3. Software Construction - Text

.

Q53_4_TEXT - 4. Teste de software : trata das fases, ferramentas, técnicas, processos e...

4. Software Testing - Text

.

Q53_5_TEXT - 5. Manutenção de software : compreende processos, técnicas e as principais...

5. Software Maintenance - Text

.

Q53_6_TEXT - 6. Gerenciamento de configuração de software : Apresenta como planejar e CO...

6. Software Configuration Management - Text

.

Q53_7_TEXT - 7. Gerenciamento de Engenharia de Software : apresenta os processos relacio...

7. Software Engineering Management - Text

.

Hh

Q53_8_TEXT - 8. Processo de Engenharia de Software : Aborda a definição do processo, OS...

8. Software Engineering Process - Text

.

Q53_9_TEXT - 9. Modelos e Métodos de Engenharia de Software : Apresenta os tipos de mode...

9. Models and Methods of Software Engineering - Text

.

Q53_10_TEXT - 10 Qualidade de software : introduz processos para gerenciar e manter o pro...

10. Software Quality - Text

.

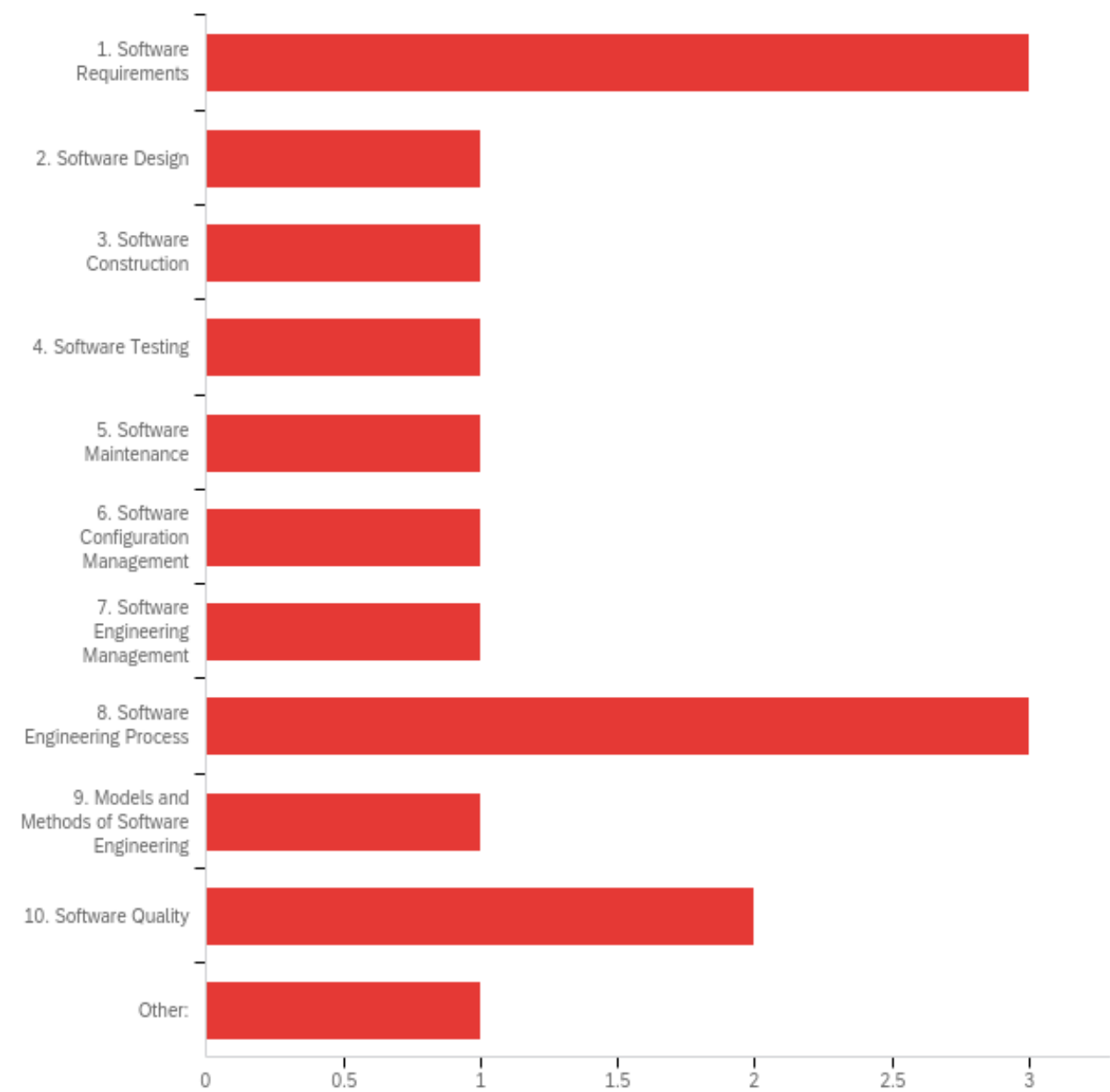
Q53_21_TEXT - Other:

Other: - Text

.

integration

Q7.5 - F.4: What were the SOLUTIONS found for these challenges?



| # | Answer | % | Count |
|---|--------------------------|--------|-------|
| 1 | 1. Software Requirements | 18.75% | 3 |
| 2 | 2. Software Design | 6.25% | 1 |
| 3 | 3. Software Construction | 6.25% | 1 |
| 4 | 4. Software Testing | 6.25% | 1 |
| 5 | 5. Software Maintenance | 6.25% | 1 |

| | | | |
|----|---|--------|----|
| 6 | 6. Software Configuration Management | 6.25% | 1 |
| 7 | 7. Software Engineering Management | 6.25% | 1 |
| 8 | 8. Software Engineering Process | 18.75% | 3 |
| 9 | 9. Models and Methods of Software Engineering | 6.25% | 1 |
| 10 | 10. Software Quality | 12.50% | 2 |
| 21 | Other: | 6.25% | 1 |
| | Total | 100% | 16 |

Q7.5_1_TEXT - 1. Requisitos de Software

1. Software Requirements - Text

.

Q7.5_2_TEXT - 2. Design de Software

2. Software Design - Text

.

Q7.5_3_TEXT - 3. Construção de Software

3. Software Construction - Text

.

Q7.5_4_TEXT - 4. Teste de Software

4. Software Testing - Text

.

Q7.5_5_TEXT - 5. Manutenção de Software

5. Software Maintenance - Text

.

Q7.5_6_TEXT - 6. Gerenciamento de Configuração de Software

6. Software Configuration Management - Text

.

Q7.5_7_TEXT - 7. Gerenciamento de Engenharia de Software

7. Software Engineering Management - Text

.

Q7.5_8_TEXT - 8. Processo de Engenharia de Software

8. Software Engineering Process - Text

.

Hh

Q7.5_9_TEXT - 9. Modelos e Métodos de Engenharia de Software

9. Models and Methods of Software Engineering - Text

.

Q7.5_10_TEXT - 10. Qualidade de Software

10. Software Quality - Text

.

Q7.5_21_TEXT - Outro:

Other: - Text

.

Q7.6 - F.5: From your experience regarding the AUTOMATION of the Development Phases, what do you consider to be EXTREMELY IMPORTANT to automate the Software Development Process with Artificial Intelligence/Machine Learning?

F.5: From your experience regarding the AUTOMATION of the Development Phases, what do you consider to be EXTREMELY IMPORTANT to automate the Software Development Process with Artificial Intelligence/Machine Learning?

Data pre-processing + incorporation of domain knowledge + use of suitable AI tools.

Sim

Q8.2 - G.1: What would be the "DREAM TOOL" that would help you or your team automate software development phases using Artificial Intelligence/Machine Learning resources?

G.1: What would be the "DREAM TOOL" that would help you or your team automate software development phases using Artificial Intelligence/Machine Learning resources?

- desconheço
- An explainable AI tool that can work well with developers in doing day-to-day tasks.
- A tool which transform the user histories in a useful software
- Estruturação da arquitetura do software.
- Outsystems
- Ferramente de Testes Unitários automaticos
- Codificar a partir do desenho de processo, interface, logica e critérios de aceitação em uma interface gráfica
- Ajudar a definir os pontos fracos de finanças
- automated testing

Q8.3 - G.2: If you have any other comments about software engineering, Artificial Intelligence/Machine Learning, or this research in general, please describe it here.

G.2: If you have any other comments about software engineering, Artificial Intelligence/Machine Learning, or this research in general, please describe it here.

não, não é nossa área de trabalho

-

Don't have any

não tenho.

Nenhum comentário.

.

Atuar no que mais agrega valor atualmente, teste e qualidade de SW

Não

Nope, keep up the good job

Q8.4 - G.3: We are still improving this research and we want to make sure it is useful and clear. If any questions are unclear to you or if there are any changes you want to make, share your comments here.

G.3: We are still improving this research and we want to make sure it is useful and clear. If any questions are unclear to you or if there are any changes you want to make, share your comments here.

não tenho nenhuma questão

The questions are clear.

none

não tenho.

O desenvolvimento de um software nunca acaba. Os clientes sempre pedem novas funções. Sinto que a pesquisa está voltada somente para aspectos internos da empresa que desenvolve o software. Não vi nenhum item voltado ao usuário do sistema, que é peça fundamental no progresso do desenvolvimento. Sugiro incorporar questões que envolvam o uso de IA na evolução do sistema baseada nos requisitos apresentados pelo cliente.

.

F3 e F4 não estão claras.

Não

Nope, keep up the good job