CIA Post Demo Survey

Please answer all the questions below

* Zorunlu soruyu belirtir

1. What is your name? *

2. What is your current official position? *

3. How many years of experience do you have in the current position and in total? *

Change Impact Detector

4. Do you currently analyze pull request's change impact in your projects? If yes, how do you analyze it? *

5. Do you think Change Impact Detector is beneficial for code review process? *

Yalnızca bir şıkkı işaretleyin.

	1	2	3	4	5	
Not	◯	◯	◯	◯	◯	Highly beneficial

6. Do you agree or disagree that review process is easier with Change Impact Detector? *

Yalnızca bir şıkkı işaretleyin.

	1	2	3	4	5	
Higl	◯	◯	◯	◯	◯	Highly agree

7. Do you agree or disagree that review process is faster using Change Impact Detector? *

Yalnızca bir şıkkı işaretleyin.

	1	2	3	4	5	
Higl	◯	◯	◯	◯	◯	Highly agree

8. Do you agree or disagree that developers can find their mistakes by utilizing Change Impact Detector? *

Yalnızca bir şıkkı işaretleyin.

	1	2	3	4	5	
Higl	◯	◯	◯	◯	◯	Highly agree

9. Do you agree or disagree that Change Impact Detector can speed up the development process in large scale projects? *

Yalnızca bir şıkkı işaretleyin.

	1	2	3	4	5	
Higl	◯	◯	◯	◯	◯	Highly agree

10. Do you agree or disagree that team lead/senior engineer can take an action using Change Impact Detector in pull request level? *

Yalnızca bir şıkkı işaretleyin.

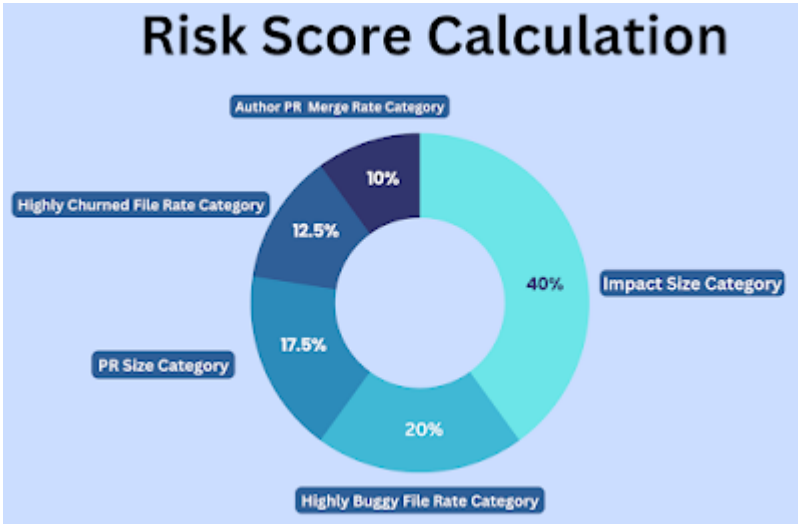
	1	2	3	4	5	
Higł	◯	◯	◯	◯	◯	Highly agree

Risk Score Formulation

11. How does assigning a risk score to a pull request influence the code review process? *

12. Do you think risk score approach can help reviewers find new bugs? *

13. Do you agree that introduced risk formulation correctly represents the change impact of a pull request? *



Yalnızca bir şıkkı işaretleyin.

	1	2	3	4	5	
Higł	◯	◯	◯	◯	◯	Highly agree

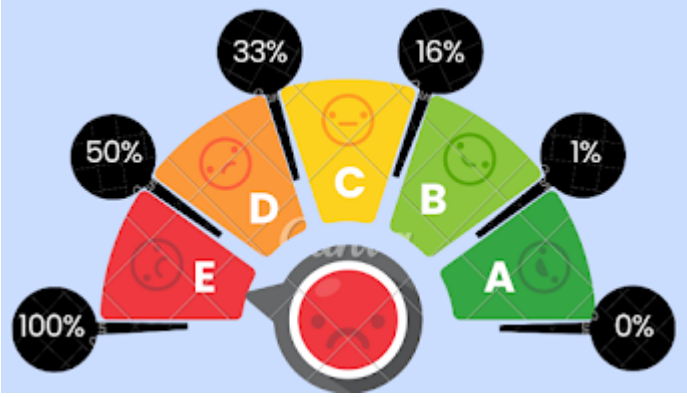
14. How would you choose coefficients of risk formulation? *

15. Do you agree or disagree that it is helpful to categorize pull request according to their risk scores? *

16. Which default value should we use for category thresholds of code churn metric? The default values can be seen below. (Numbers in black pins. They represent default category thresholds.) *

    You can enter your answer for each black ping from left to right order. For example 100% - 80% - 60% - 40% - 20% - 0%

    Code churn represent how many times a code block changed in its lifetime.



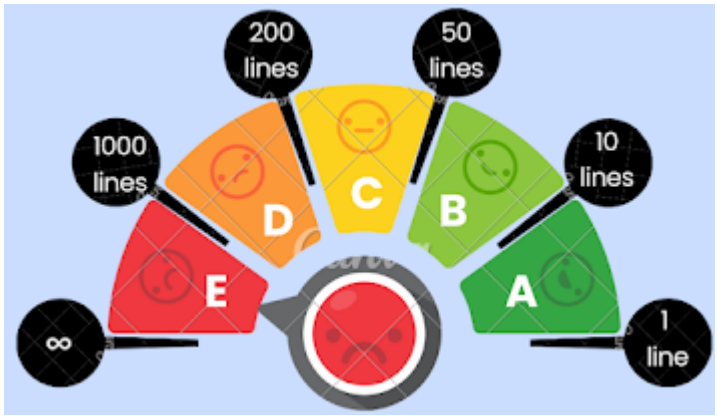
17. Which default value should we use for category thresholds of bug frequency metric? The default values can be seen below. (Numbers in black pins. They represent default category thresholds.) *

Bug frequency represents how many times a code block is associated with a bug

18. Which default value should we use for category thresholds of pull request size? The default values can be seen below. (Numbers in black pins. They represent default category thresholds.)

You can enter your answer for each black ping from left to right order. For example 50k lines - 10k lines - 1k lines - 500 lines - 100 lines - 1 line

PR size represents total changed line of code in the pull request

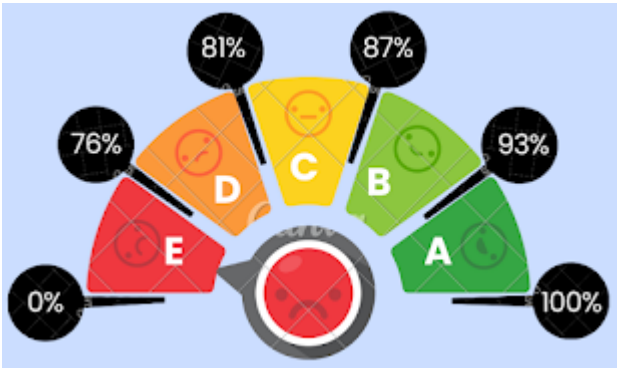


19. Which default value should we use for category thresholds of impact size metric? The default values can be seen below. (Numbers in black pins. They represent default category thresholds.) *

Impact size represents how large the potential effects of the pull request changes

20. Which default value should we use for category thresholds of author PR merge rate metric? The default values can be seen below. (Numbers in black pins. They represent default category thresholds.) *

The author's PR merge rate is the percentage of merged pull requests out of all the pull requests submitted by that author



21. Which default value should we use for category thresholds of risk score metric? *
The default values can be seen below. (Numbers in black pins. They represent default category thresholds.)

_____

22. Risk score represents the magnitude of the change impact of a pull request. What type of metrics should be considered for risk score calculation? *

Uygun olanların tümünü işaretleyin.

- [ ] Code churn of the changed files (Already supported)
- [ ] Bug frequencies of the changed files (Already supported)
- [ ] Impact size (Already supported)
- [ ] PR size (Already supported)
- [ ] Author merge rate (Already supported)
- [ ] Co-changing files
- [ ] Technical debt (Implied cost of future reworking required when choosing an easy but limited solution instead of a better approach)
- [ ] Code coverage
- [ ] Complexity of the changed files (The number of paths, control flow split points through the code)
- [ ] Inheritance between changed files and the other files
- [ ] Coupling between changed files and the other files (Degree of interdependence between software modules)
- [ ] Diğer: _____

23. How can we improve the risk score formulation? *

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