FSU-KNU Hackathon Analysis

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Published output: https://rpubs.com/bretsw/hackathon-fsu-knu-2024/

Source code: https://github.com/bretsw/hackathon-fsu-knu-2024/
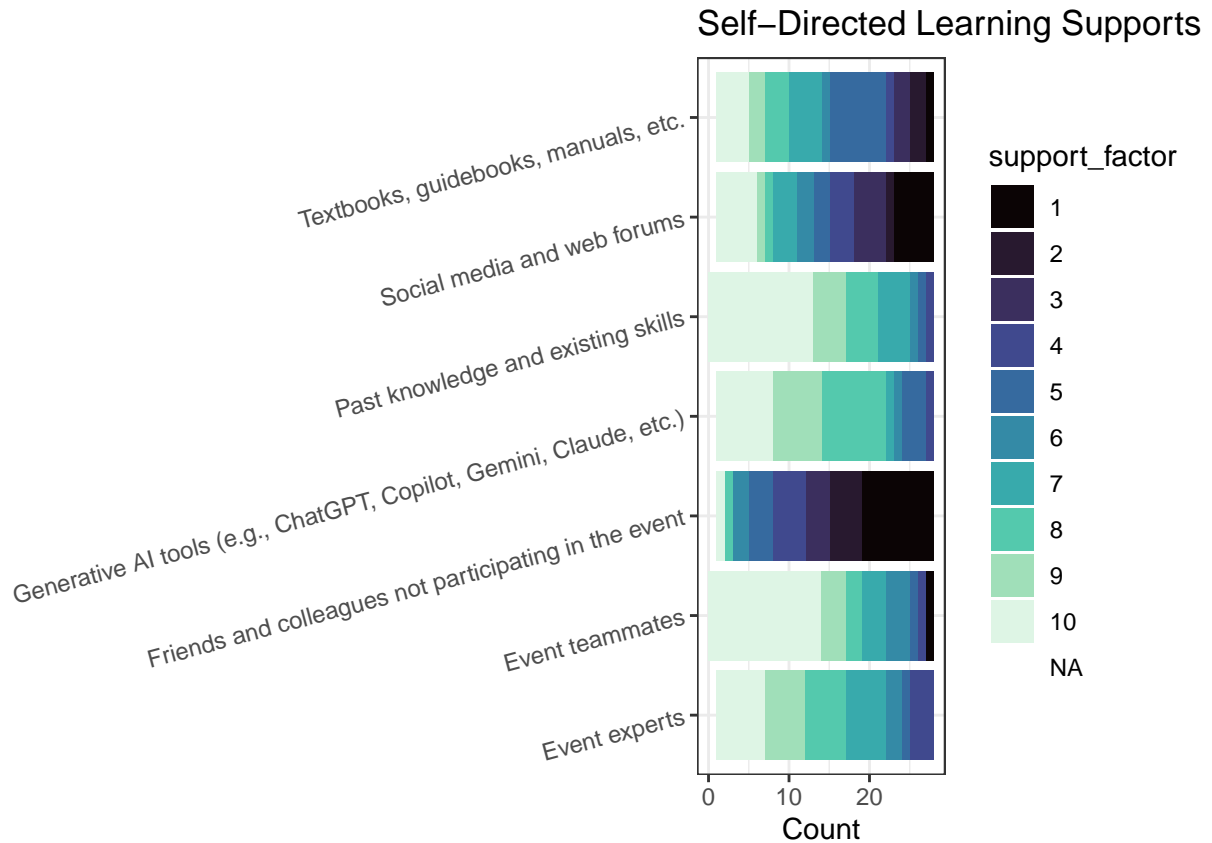

Self-Directed Learning

Please rate the degree to which you agree with the following statements about your participation in the event:

```
## # A tibble: 5 x 2
##   `Self-Directed Learning Enactment`              `Mean Score (1-10)`
##   <chr>                                                         <dbl>
## 1 I sought new information, resources, knowledge during the~     9.22
## 2 I practiced new skills during the event.                      8.68
## 3 I set goals for myself while problem-solving during the e~     8.29
## 4 I am happy with my problem-solving processes during the e~     7.89
## 5 I took time to evaluate my progress toward those goals.        7.82
```

Self−Directed Learning Enactment

Legend (sdl_factor): 3, 4, 5, 6, 7, 8, 9, 10, NA

Y-axis labels (rotated):
- I took time to evaluate my progress toward those goals.
- I sought new information, resources, knowledge during the event.
- I set goals for myself while problem−solving during the event.
- I practiced new skills during the event.
- ...m happy with my problem−solving processes during the event.

X-axis: Count (0, 10, 20)

Please rate the importance of the following supports for problem-solving during this event:

```
## # A tibble: 7 x 2
##   `Importance of Self-Directed Learning Supports`        `Mean Score (1-10)`
##   <chr>                                                                <dbl>
## 1 Past knowledge and existing skills                                    8.61
## 2 Event teammates                                                       8.29
## 3 Generative AI tools (e.g., ChatGPT, Copilot, Gemini, Clau~            8.15
## 4 Event experts                                                         7.74
## 5 Textbooks, guidebooks, manuals, etc.                                  6.15
## 6 Social media and web forums                                          5.22
## 7 Friends and colleagues not participating in the event                3.22
```
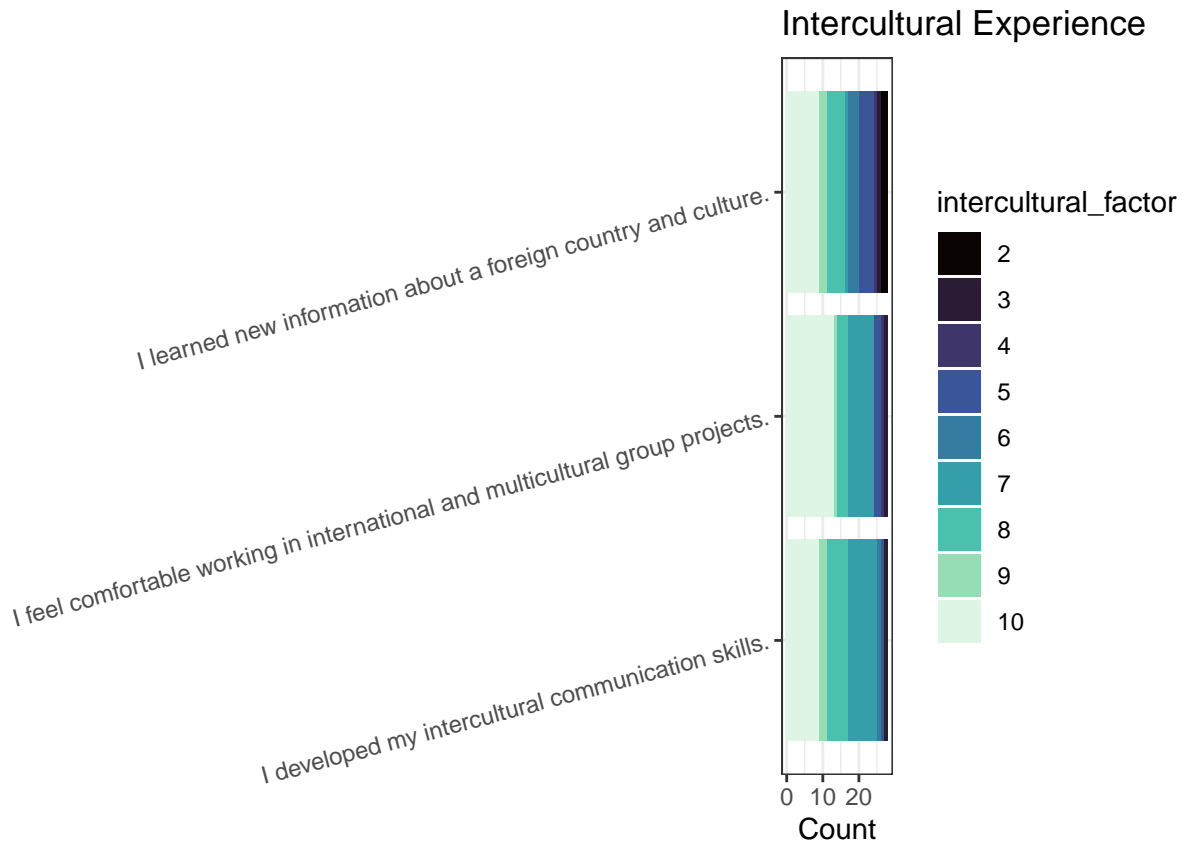
Self−Directed Learning Supports

support_factor
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- NA

Categories (top to bottom):
- Textbooks, guidebooks, manuals, etc.
- Social media and web forums
- Past knowledge and existing skills
- Generative AI tools (e.g., ChatGPT, Copilot, Gemini, Claude, etc.)
- Friends and colleagues not participating in the event
- Event teammates
- Event experts

x-axis: Count (0, 10, 20)

Intercultural Experience

Please rate the degree to which you agree with the following statements about your partici-pation in the event:

```
## # A tibble: 3 x 2
##   `Intercultural Experience`                        `Mean Score (1-10)`
##   <chr>                                                           <dbl>
## 1 I feel comfortable working in international and multicult~        8.18
## 2 I developed my intercultural communication skills.               8.07
## 3 I learned new information about a foreign country and cul~        7.29
```

Intercultural Experience

Event Evaluation

How satisfied are you with this event?

```
## # A tibble: 3 x 2
##   `Satisfaction with Event`                  `Number of Responses`
##   <fct>                                                     <int>
## 1 Absolutely pleased. When will the next one be?               13
## 2 Satisfied                                                    13
## 3 Dissatisfied                                                  2
```

How well was this event organized?

```
## # A tibble: 5 x 2
##   `Organization of Event` `Number of Responses`
##   <chr>                                   <dbl>
## 1 Perfectly                                   4
## 2 Good                                       16
## 3 Not bad                                     6
## 4 Badly                                       2
## 5 Terribly                                    0
```

How helpful were the event experts?

```
## # A tibble: 6 x 2
##   `Helpfulness of Experts`               `Number of Responses`
##   <chr>                                              <dbl>
## 1 Super helpful                                         11
## 2 Useful                                                14
## 3 Enough                                                 2
## 4 Did not help                                           0
## 5 I did not follow their recommendations                 0
## 6 I am an expert                                         0
```

Are you ready to move forward in your career?

```
## # A tibble: 2 x 2
##   `Ready to Move Forward` `Number of Responses`
##   <chr>                                   <int>
## 1 No                                          1
## 2 Yes                                        27
```

Please rate, with 1 being not at all prepared and 10 being completely prepared, the degree to which you feel ready to move forward in your career because of this event:

```
## # A tibble: 11 x 2
##    `Readiness to Move Forward` `Number of Responses`
##                         <dbl>                  <dbl>
##  1                          1                      1
##  2                          2                      0
##  3                          3                      1
##  4                          4                      2
##  5                          5                      0
##  6                          6                      6
##  7                          7                      6
##  8                          8                      5
##  9                          9                      3
## 10                         10                      2
## 11                         NA                      2
```

Participant Background

Not counting this event, how many times have you previously participated in hackathons or similar events?

```
## # A tibble: 12 x 2
##    `Number of Past Hackathons` `Number of Responses`
##                         <dbl>                  <dbl>
##  1                          0                      8
##  2                          1                      3
##  3                          2                      0
##  4                          3                      1
```

```
##  5                          4                     0
##  6                          5                     1
##  7                          6                     2
##  8                          7                     0
##  9                          8                     0
## 10                          9                     0
## 11                         10                     0
## 12                         NA                    13
```

Have you participated previously in international group projects?

```
## # A tibble: 2 x 2
##   `Past International Group Projects` `Number of Responses`
##   <chr>                                            <int>
## 1 No                                                  22
## 2 Yes                                                  6
```

What is your favorite programming language/stack?

```
## # A tibble: 10 x 2
##    `Favorite Programming Language` `Number of Responses`
##    <chr>                                         <dbl>
##  1 Python                                           15
##  2 C++                                               3
##  3 C#                                                2
##  4 Frontend                                          2
##  5 Java                                              2
##  6 <NA>                                              2
##  7 Other                                             1
##  8 SQL                                               1
##  9 R                                                 0
## 10 PHP                                               0
```