STRINGFEST ANALYTICS

What is a Parsons problem?

PARSONS PROBLEMS

- Like a jumble, with code
- Re-arrange lines of code
- Focus on control flow > data dependencies

PARSONS PROBLEMS

Arrange these blocks to find the average height by country for players born after 1985, sorted high to low.

Drag blocks from here

Drop blocks here

```
group_by(birthCountry) %>%
```

```
people %>%
```

```
arrange(avg_height)
```

```
summarise(avg_height = avg(height)) %>%
```

```
order_by(avg_height) %>%
```

```
arrange(avg_height) %>%
```

```
filter(birthYear > 1985) %>%
```

PARSONS PROBLEMS

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order_by(avg_height) %>%
```

```
arrange(avg_height) %>%
```

```
people %>%
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  group_by(birthCountry) %>%
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  summarise(avg_height = avg(height)) %>%
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```
  arrange(avg_height)
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References

- "Parson's programming puzzles: a fun and effective learning tool for first programming courses," https://www.researchgate.net/profile/Patricia_Haden/publication/262160581_Parson's_programming_puzzles_A_fun_and_effective_learning_tool_for_first_programming_courses/links/5593212508ae5af2b0eb6da3.pdf

- *Teaching Tech Together*, https://teachtogether.tech

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LET'S TALK

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