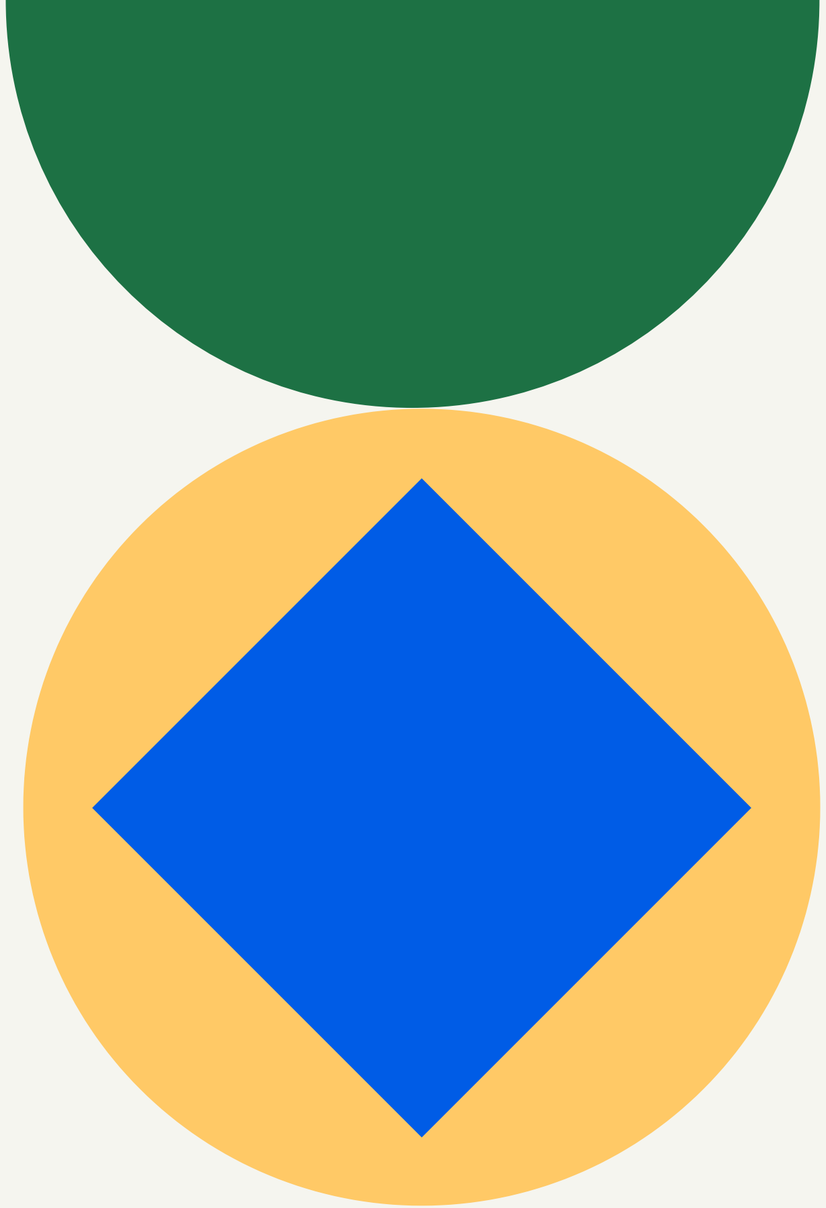
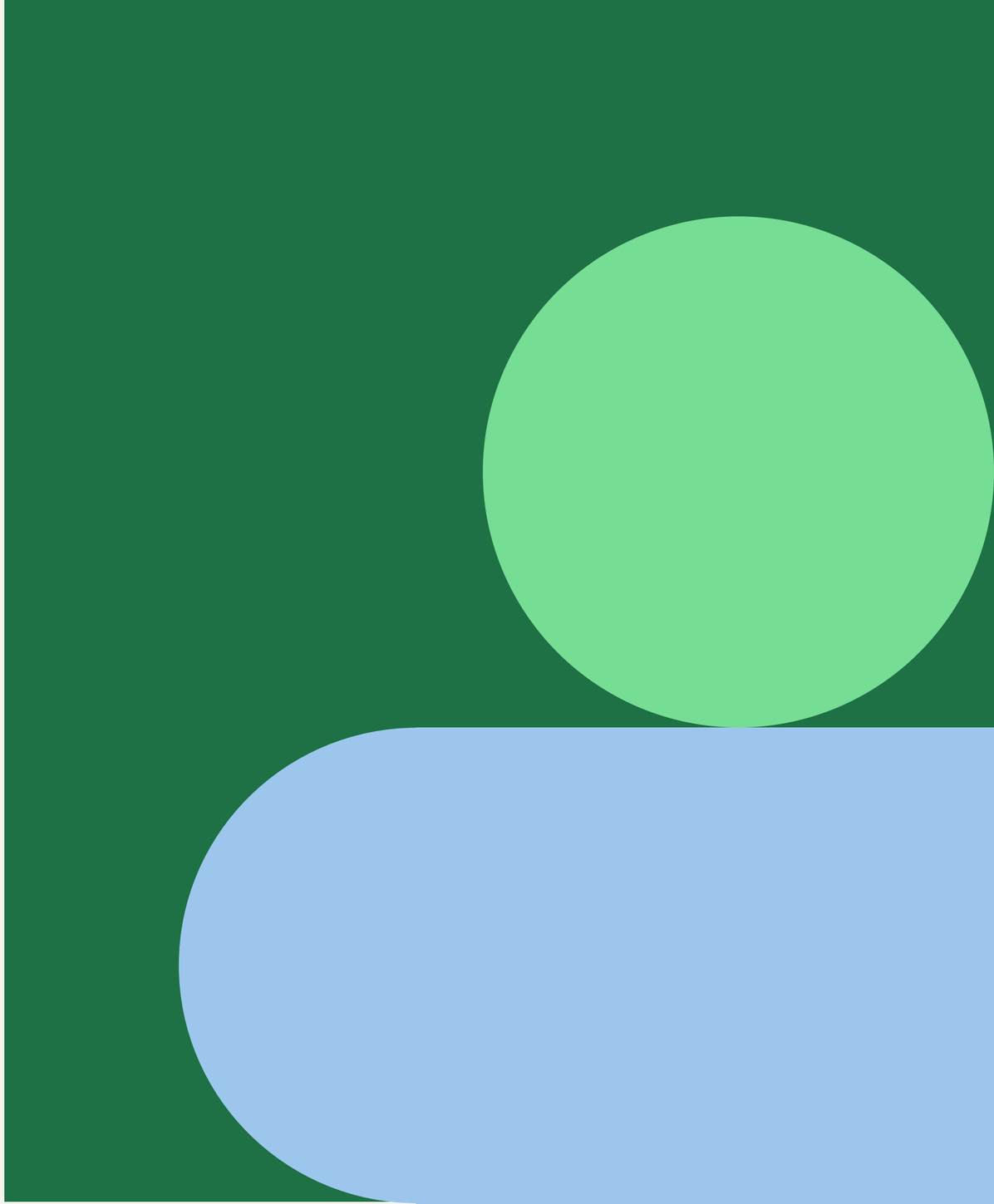
BAYESIAN NETWORK IN E-LEARNING



Abstract

Introduction

— PART 1



Problem

WHAT WE WANT TO SOLVE

Teacher-Student Communication and Compatibility

Solution

WHAT WE WANT TO PROVE OR DISPROVE

Learning Analytics

Objectives

WHAT WE WANT TO ACHIEVE

Bayesian Network

Probability

Learning Styles

SEPTEMBER 2021

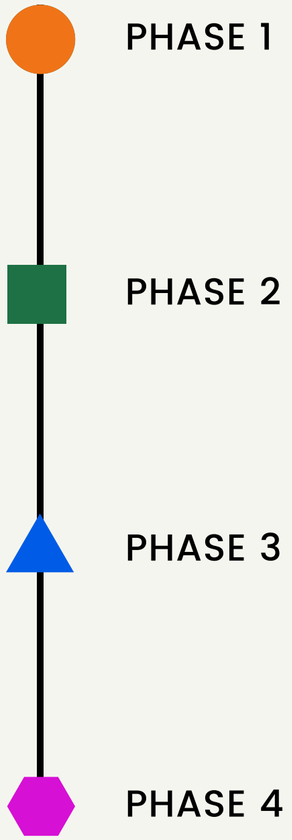
Methodology

— PART 2

Quantitative Method

Qualitative Method

Timeline



Data Collection Methods

STEPS AND ACTION ITEMS

Results of the Study

— PART 3

Quantitative Results

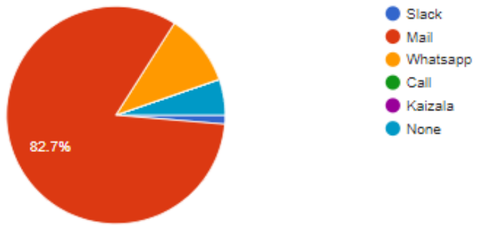
75 responses

Accepting responses

Summary Question Individual

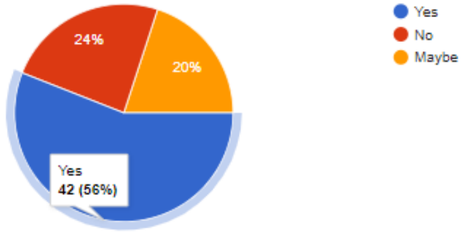
What is the primary communication platform that is used by your instructor for formal communication?

75 responses



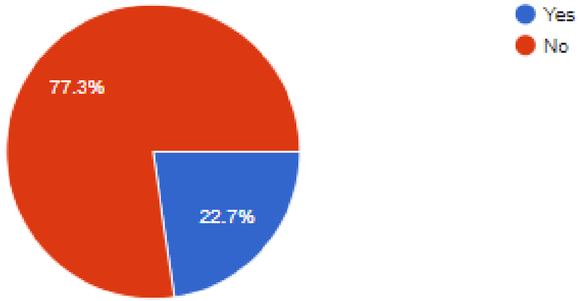
Are you satisfied with the communication platform that is currently being used by your instructor

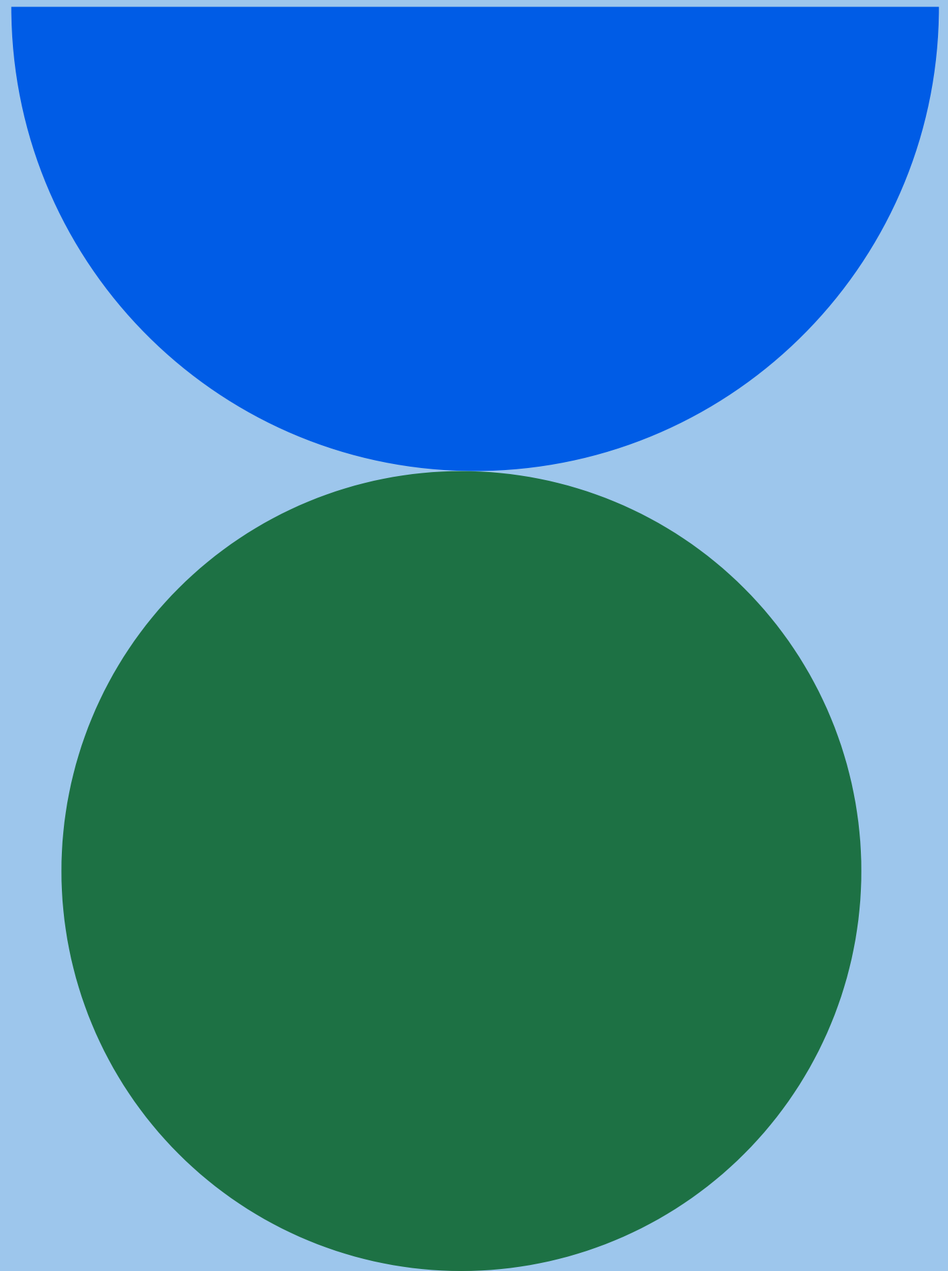
75 responses



Are you satisfied with the way the current course is progressing?

75 responses

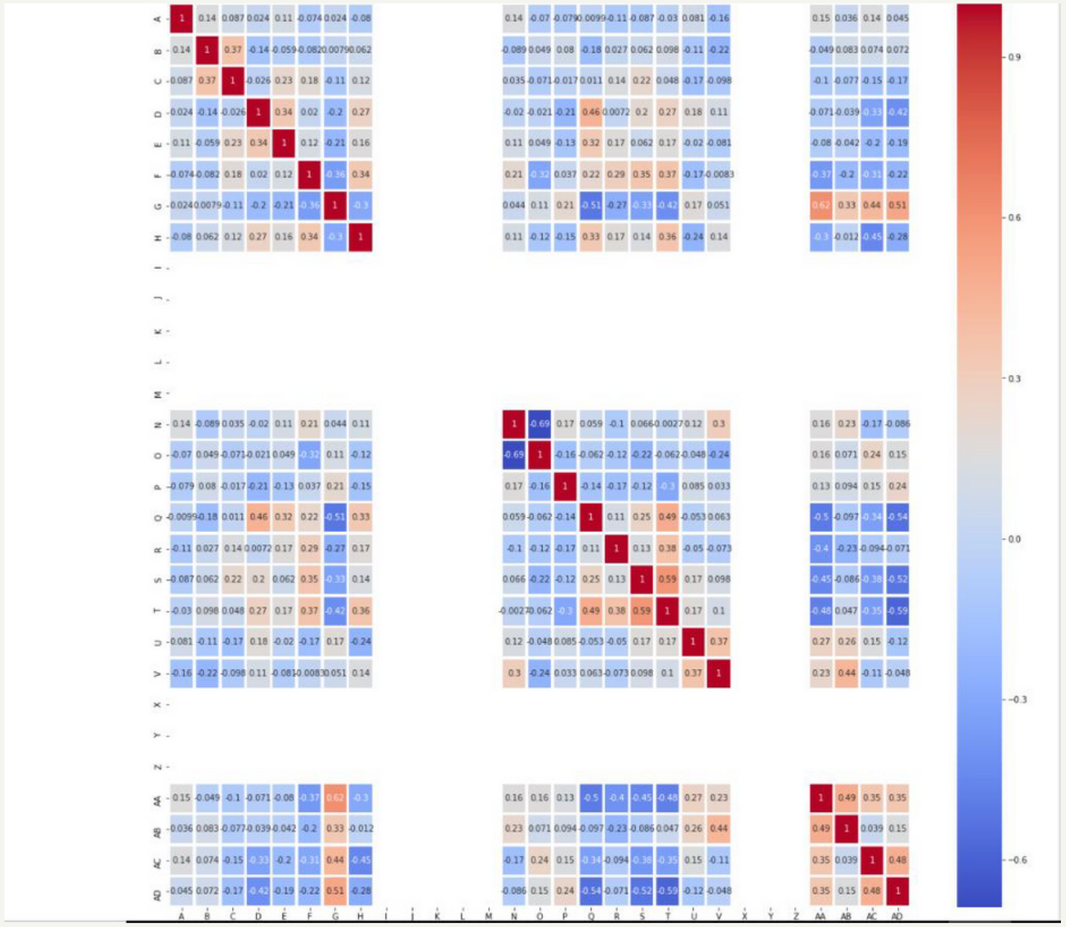




Conclusion

— PART 4

Bayesian Net Train Results



Bayesian Net Train Results

```
In [303]: accuracy=accuracy_score(y_test, y_pred)*100
          accuracy

Out[303]: 72.2222222222221
```

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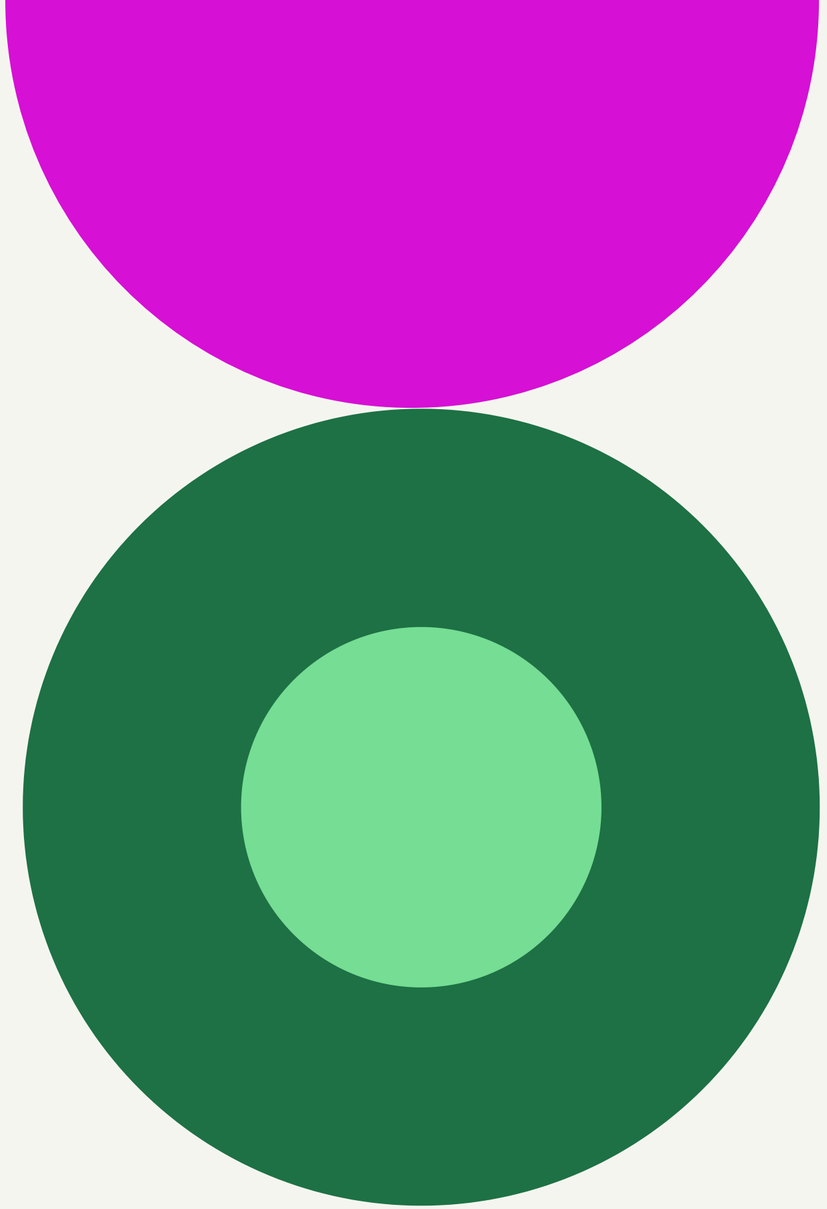
Study highlights

Significant discovery

Areas of improvement

SUGGESTIONS FOR FUTURE RESEARCH



Thank you!