School Buddy Performance Analysis(2019-2021)

An Analytical Report for School Buddy
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Understanding the Problem

- School Buddy helps students find the best schools based on their preferred streams.
- The dataset includes **marks from 2019-2021** for five schools in Bangalore.
- Our goal is to **analyze student performance** and derive key insights.
- School Buddy has collected marks scored by the same students for all the subjects for 3 consecutive years.
- Subjects for each of these streams are as follows:
    - Arts - Hindi, English, History, Geography and Civics
    - Science - Mathematics, Physics, Chemistry, Biology and Computer Science
    - Commerce - Hindi, English, Mathematics, Computer Science and Physical Education

Data and Approach

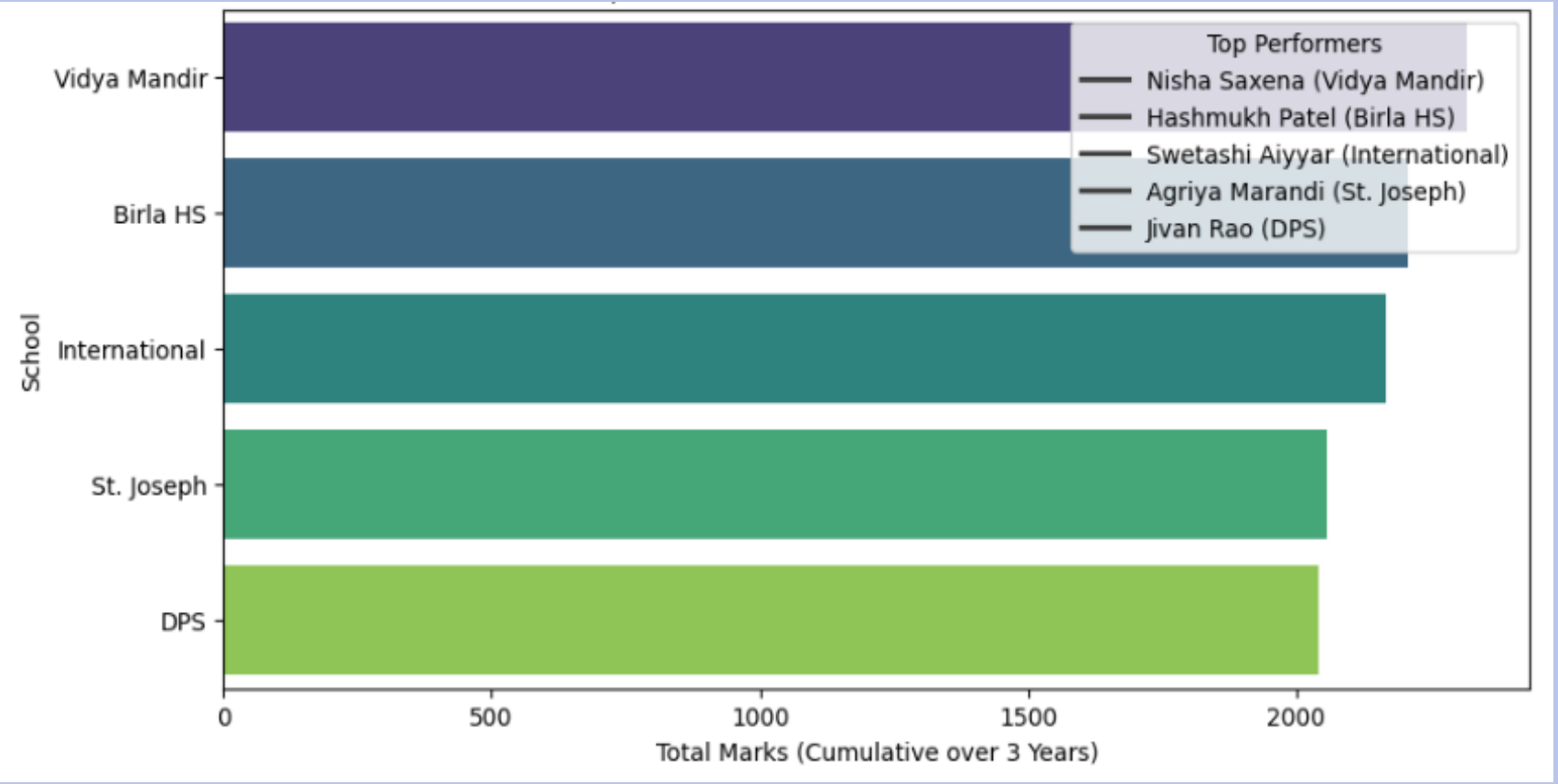
Dataset:

- **Source:** School Buddy's collected student marks (2019-2021)
- **Structure:** Marks across subjects for five schools

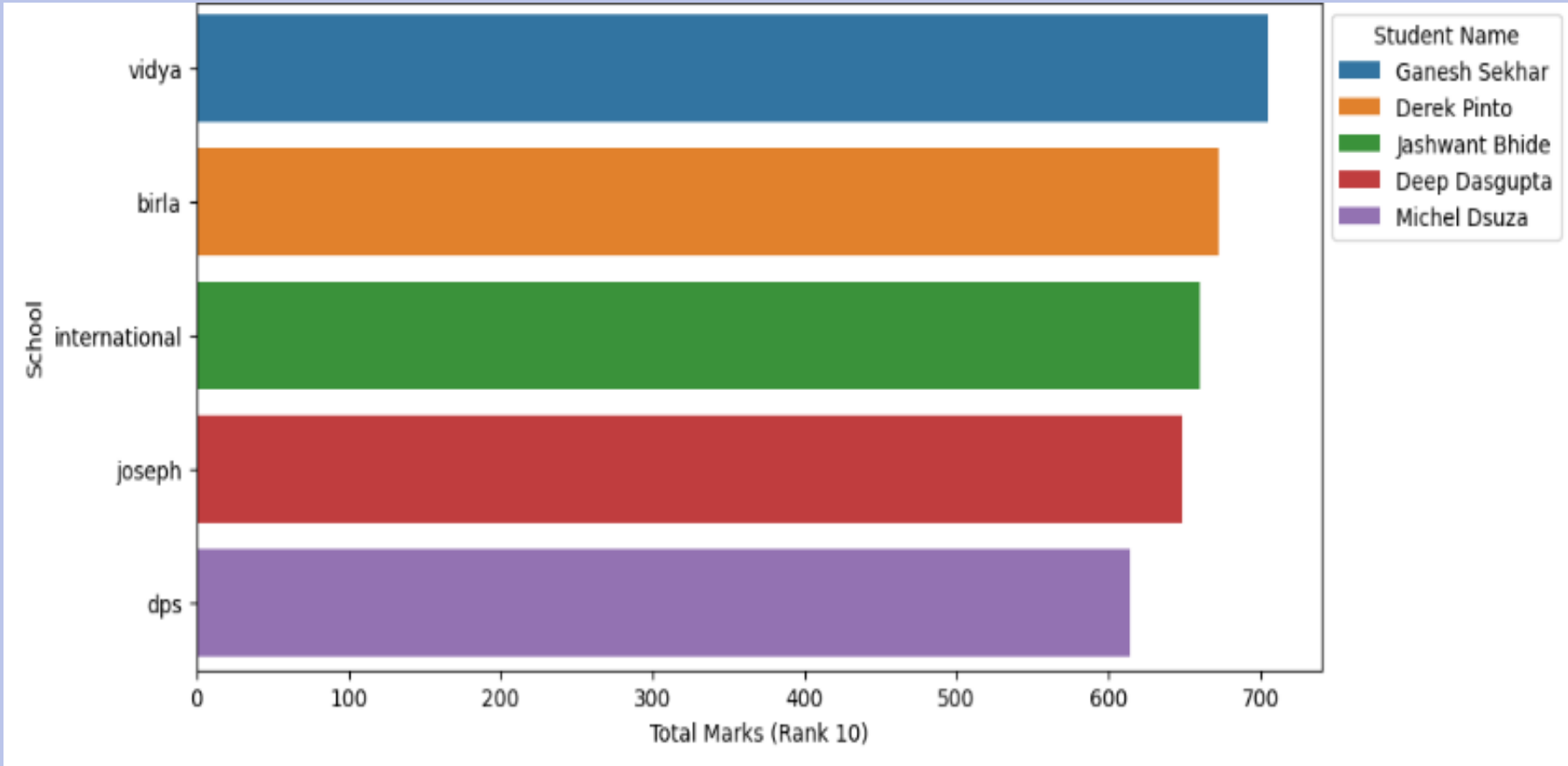
Methodology:

- Data Cleaning & Transformation
- SQL-based Queries in **SQLite**
- Python-based Visualization using **Matplotlib & Seaborn**
- Google Slides for Charts & Presentation

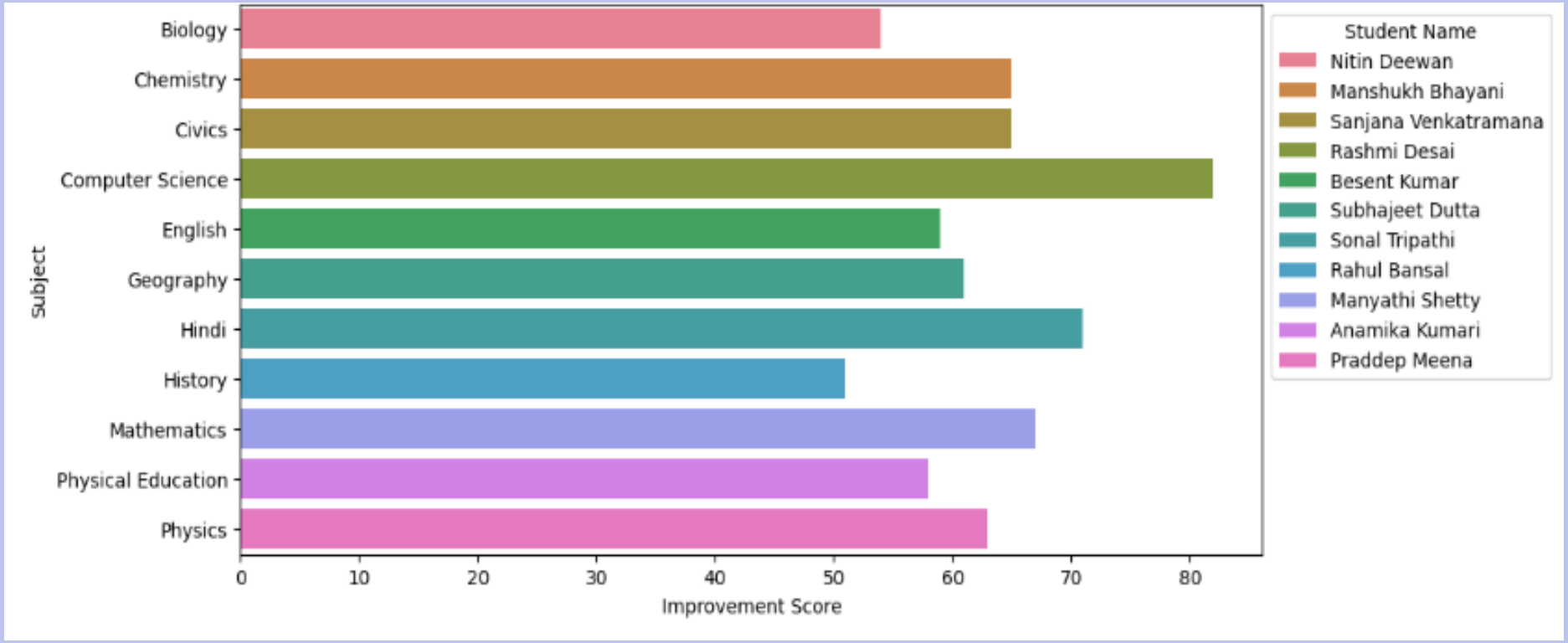
Top Performers of Each School



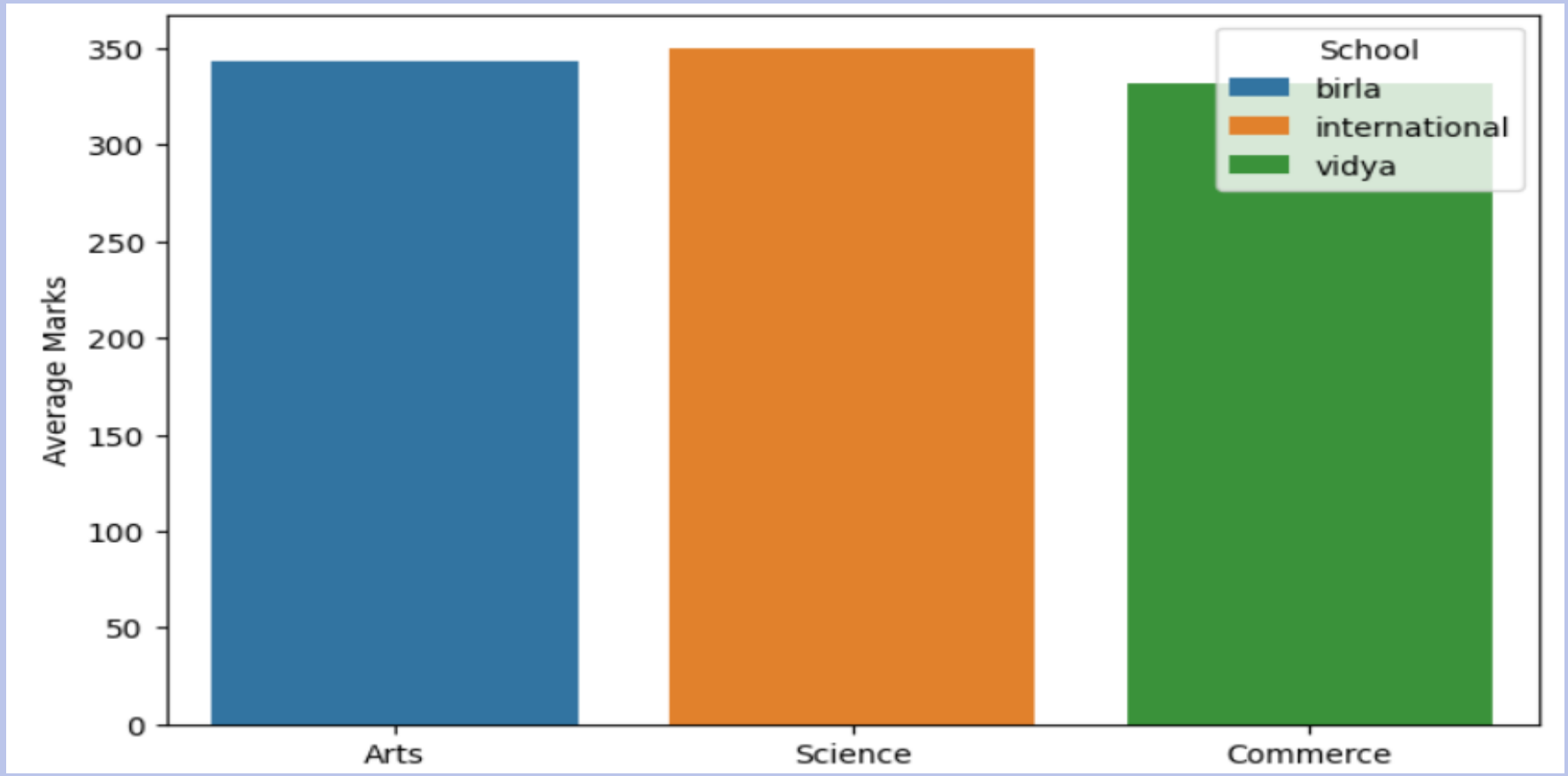
Rank Comparison - 2020



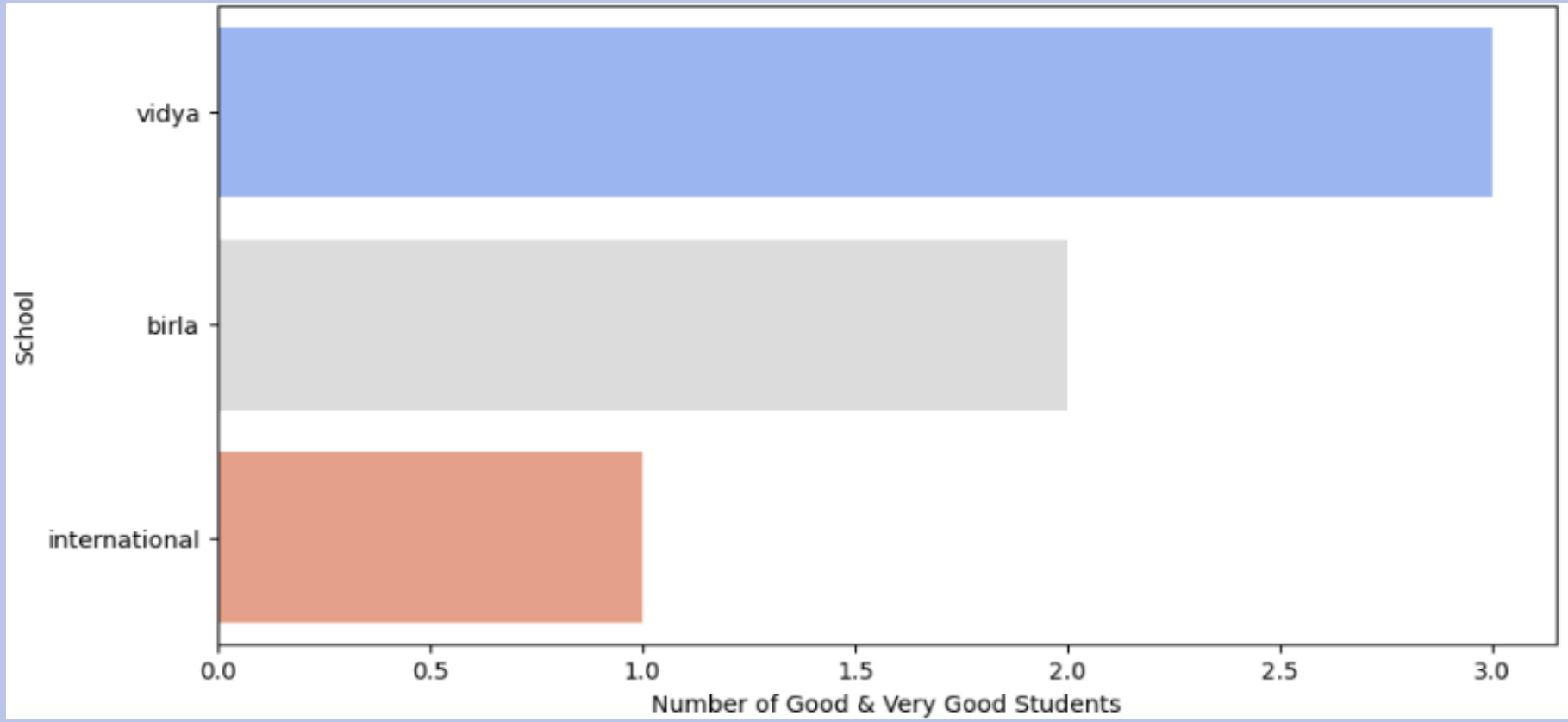
Students with Highest Improvement (2019-2021)



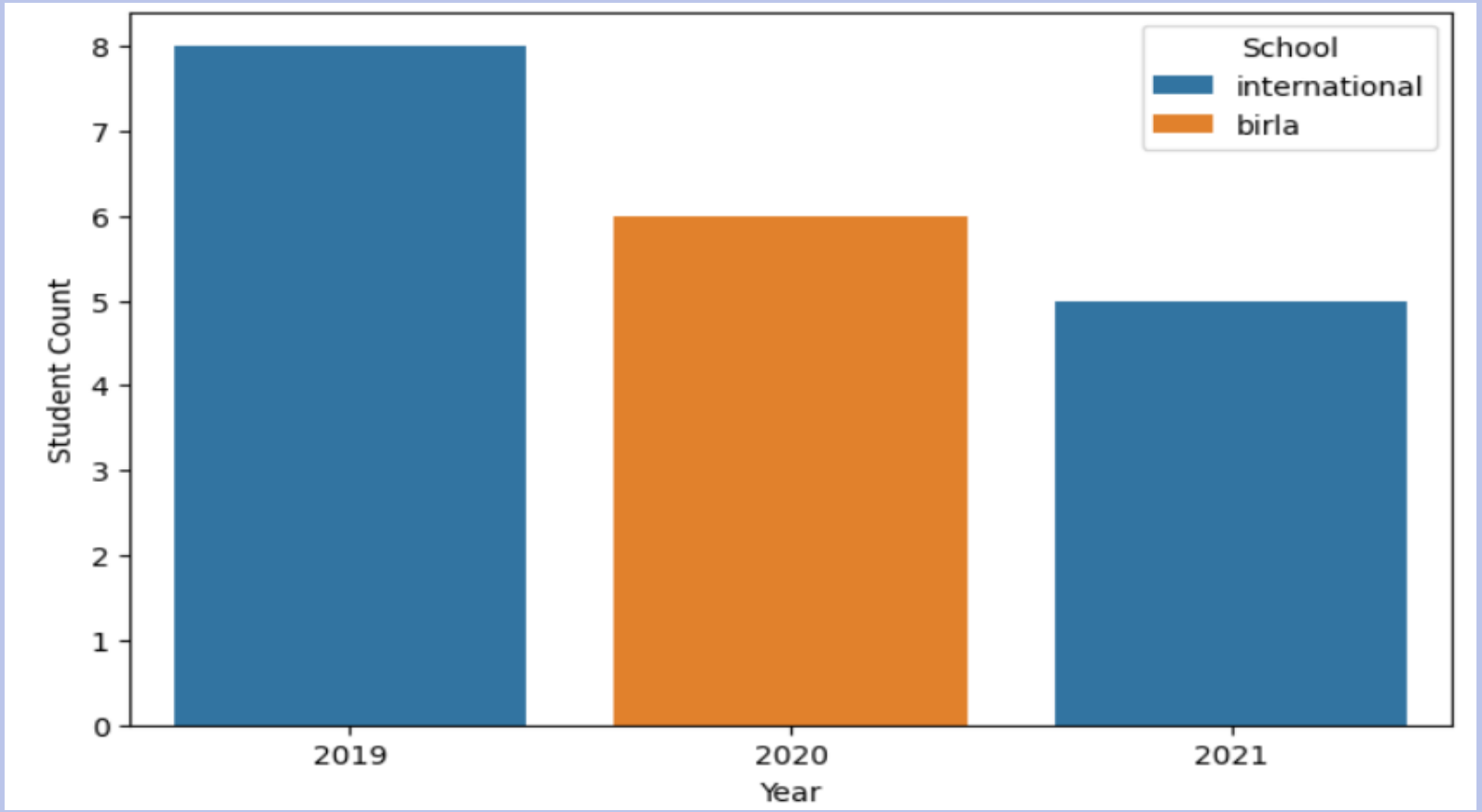
Best Schools for Arts, Science & Commerce



Student Performance



Best School Per Year (2019, 2020, 2021)



Fastest-Growing School in Bangalore

Fastest-Growing Schools (Overall & Streamwise)

Overall	Arts	Science	Commerce
vidya	vidya	international	vidya

Final Insights

Summary of Findings:

Top Schools Per Year:

- 2019: International
- 2020: Birla
- 2021: International

Best Schools Per Stream:

- Arts: Birla
- Science: International
- Commerce: Vidya Mandir

Fastest-Growing Schools:

- Overall: Vidya Mandir
- Arts: Vidya Mandir
- Science: International
- Commerce: Vidya Mandir