

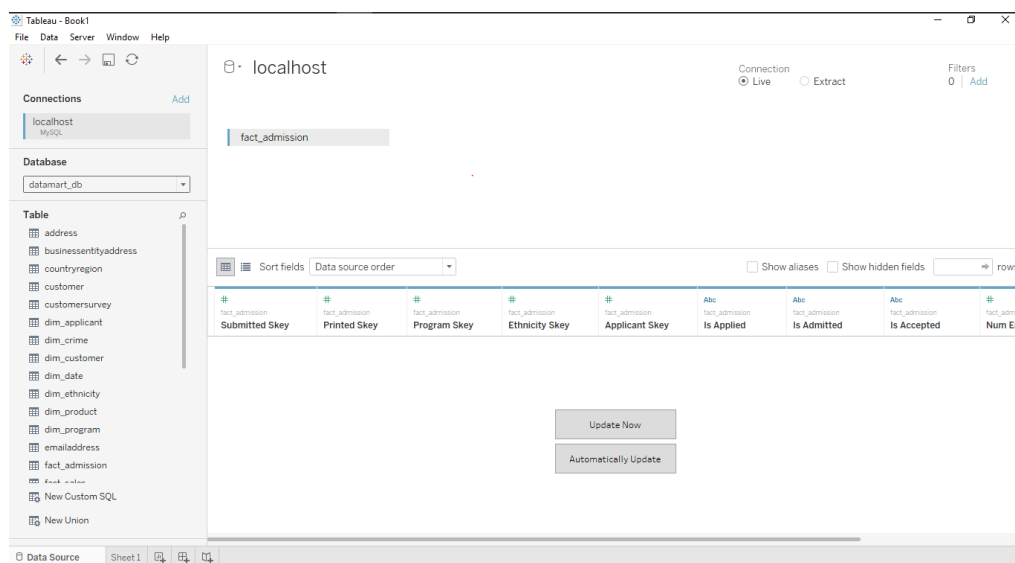
FINAL PROJECT - GROUP MEMBERS: ITMD – 526

Hemanth Inukonda - A20369096
Deepak Radhakrishna - A20385413
Arpitha Jayarama - A20380321
Rahul C S - A20378310
Aswin Ramakrishnan - A20377999

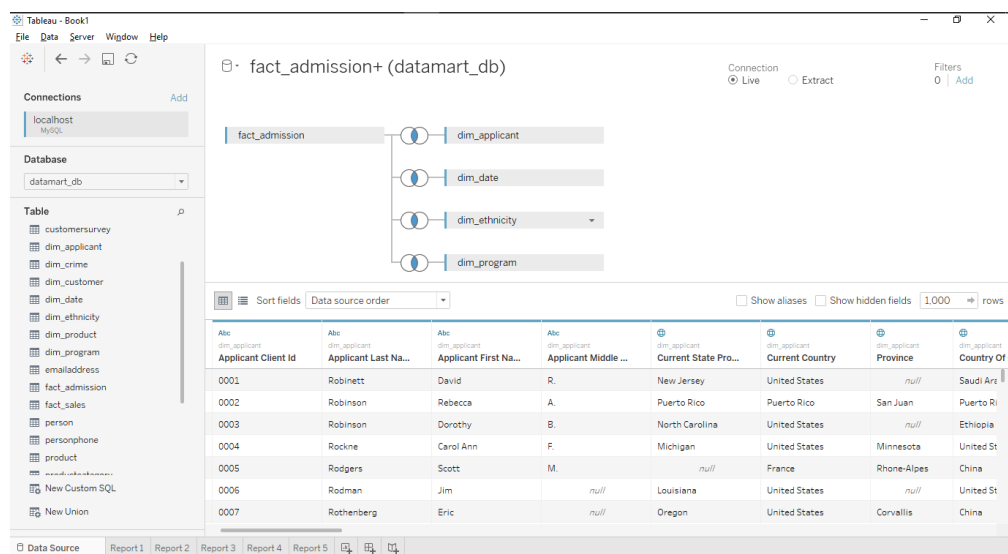
REPORTS

STEPS :

1. Open Tableau → Connect to MySQL → Localhost with username: “etl_user” and password: “password”.
2. Connect to Database → Datamart_db → Fact_admission.



3. Connect Dim_date , Dim_applicant, Dim_ethnicity, Dim_program to Fact_admission as below.

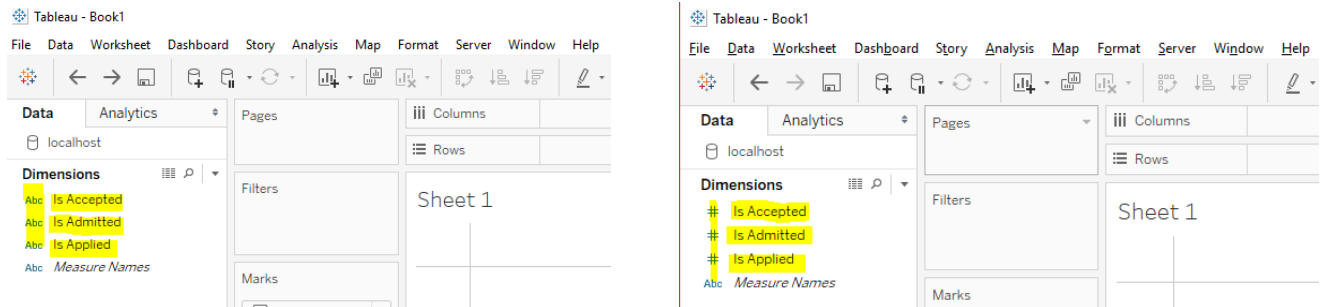


4. Open Sheet 1 and rename to Report 1.

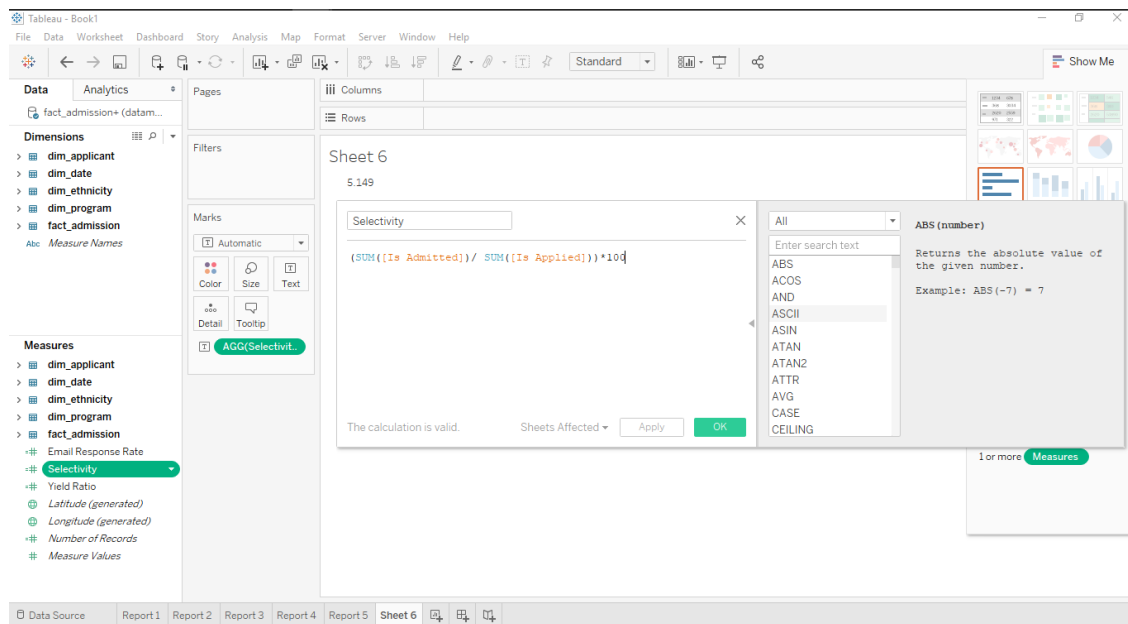
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5. Change the Datatype of Dimensions Is Applied, Is Admitted, Is Accepted from String to Number by right clicking → change Data Type → Number(Decimal).



6. Analysis → Create Calculated field.
7. Give name as Selectivity and the Calculation as “SUM([Is Admitted])/ SUM([Is Applied])”. To get the report in percentage, we have multiplied by 100.



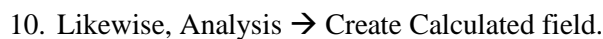
8. Likewise, Analysis → Create Calculated field.
9. Give name as Yield Ratio and the calculation as “SUM([Is Accepted])/ SUM([Is Admitted])”.

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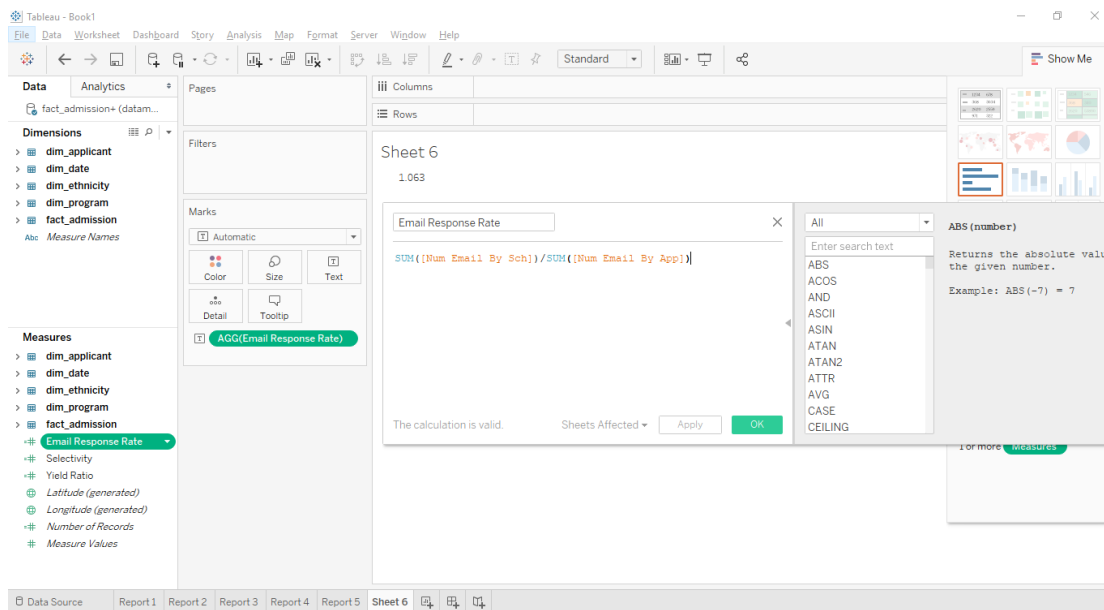
Rahul C S - A20378310

Aswin Ramakrishnan - A20377999



11. Give name as Email Response Rate and the calculation as “SUM([Num Email By Sch])/SUM([Num Email By App])”.

12. Each Dimensions and Measures are dragged and dropped on each tab to generate new reports accordingly.

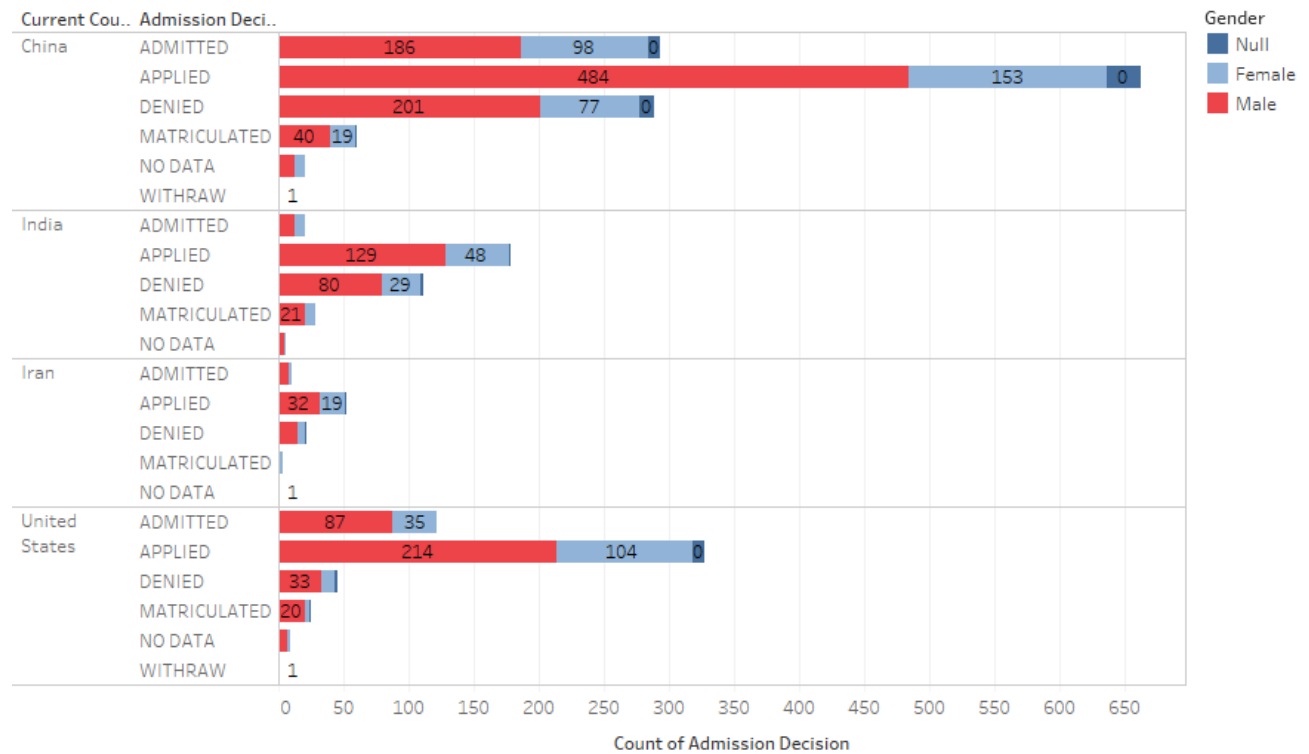


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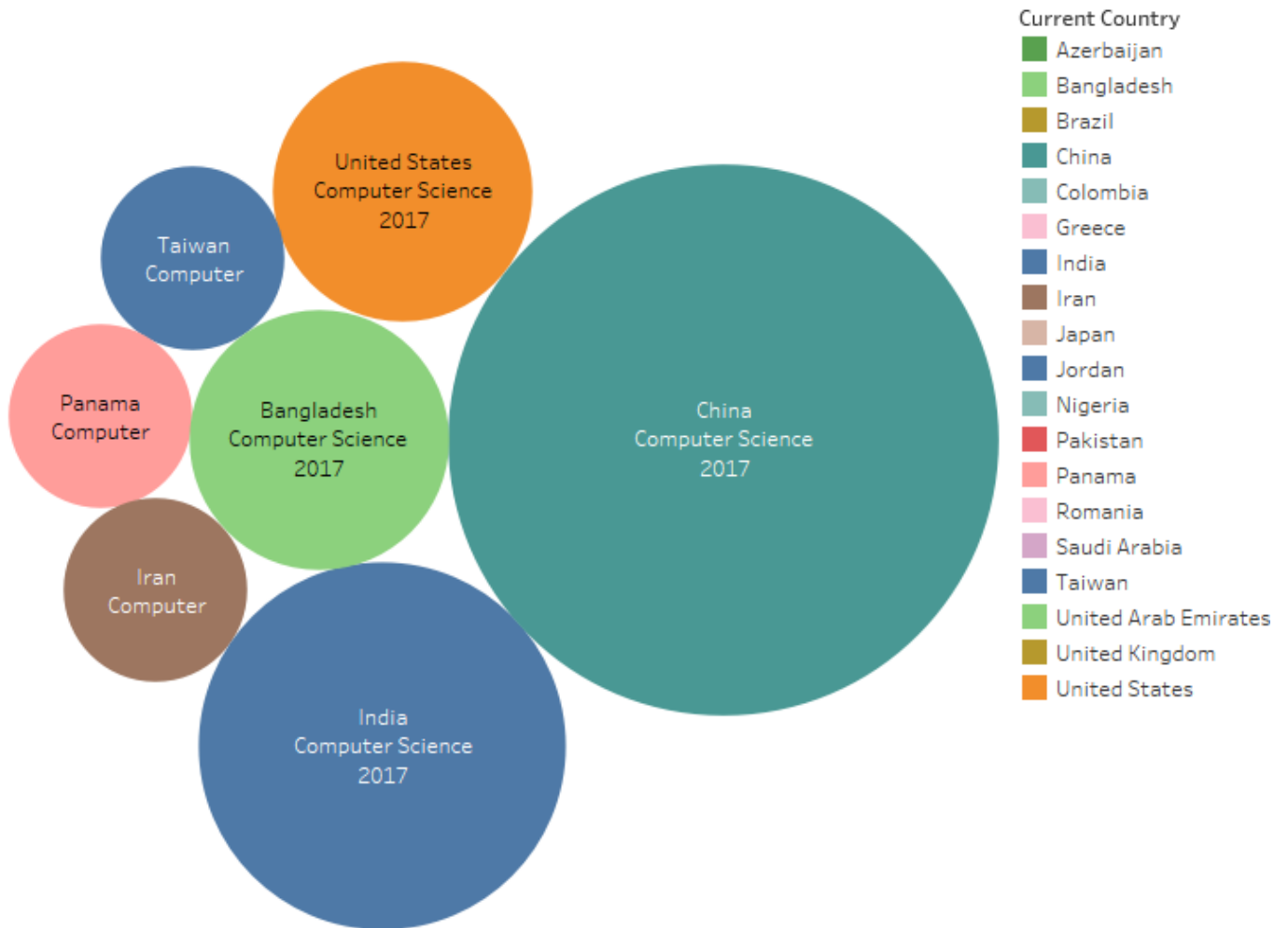
REPORT RESULTS:

REPORT 1:



Count of Admission Decision for each Admission Decision broken down by Current Country. Color shows details about Gender. The marks are labeled by count of Gender. The view is filtered on Current Country and Admission Decision. The Current Country filter keeps China, India, Iran and United States. The Admission Decision filter keeps 6 of 6 members.

REPORT 2:

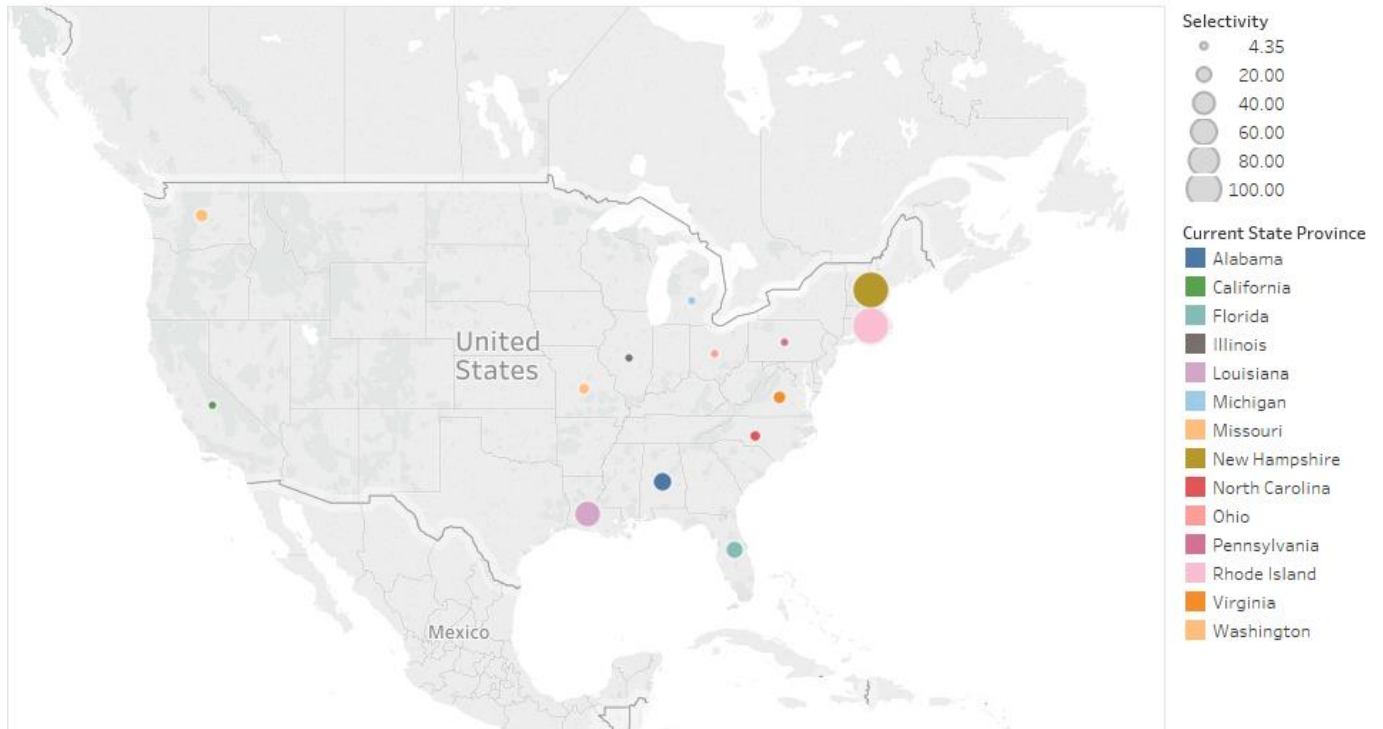


Current Country, Department Name and The Year. Color shows details about Current Country. Size shows sum of Is Admitted. The marks are labeled by Current Country, Department Name and The Year. The view is filtered on Current Country, Department Name and The Year. The Current Country filter keeps 49 of 49 members. The Department Name filter keeps Computer Science. The The Year filter ranges from 2017 to 2017.

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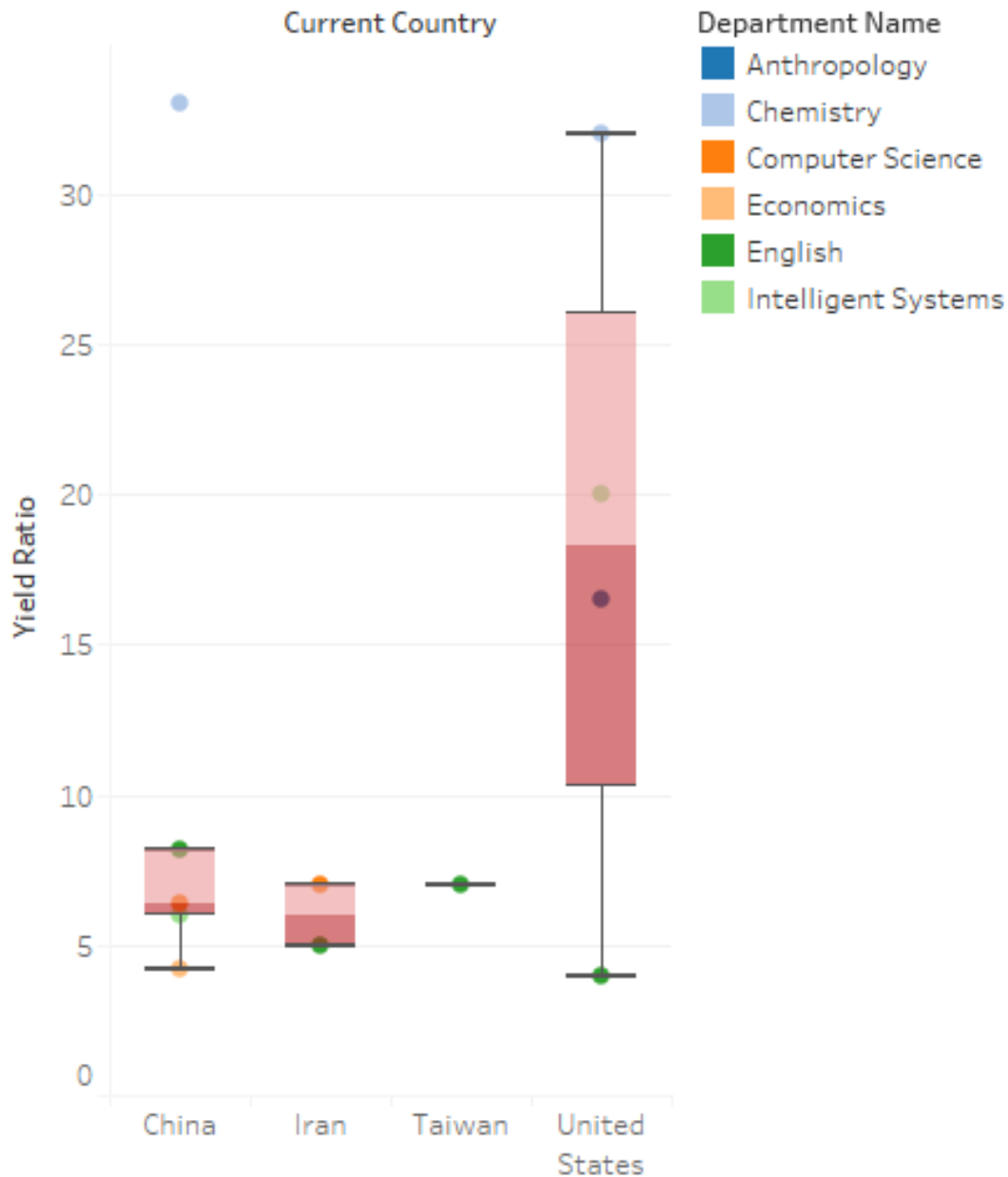
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REPORT 3:



Map based on Longitude (generated) and Latitude (generated). Color shows details about Current State Province. Size shows Selectivity. The data is filtered on Current Country, which keeps United States. The view is filtered on Current State Province and Selectivity. The Current State Province filter excludes Null and Puerto Rico. The Selectivity filter includes values greater than or equal to 4.00.

REPORT 4:

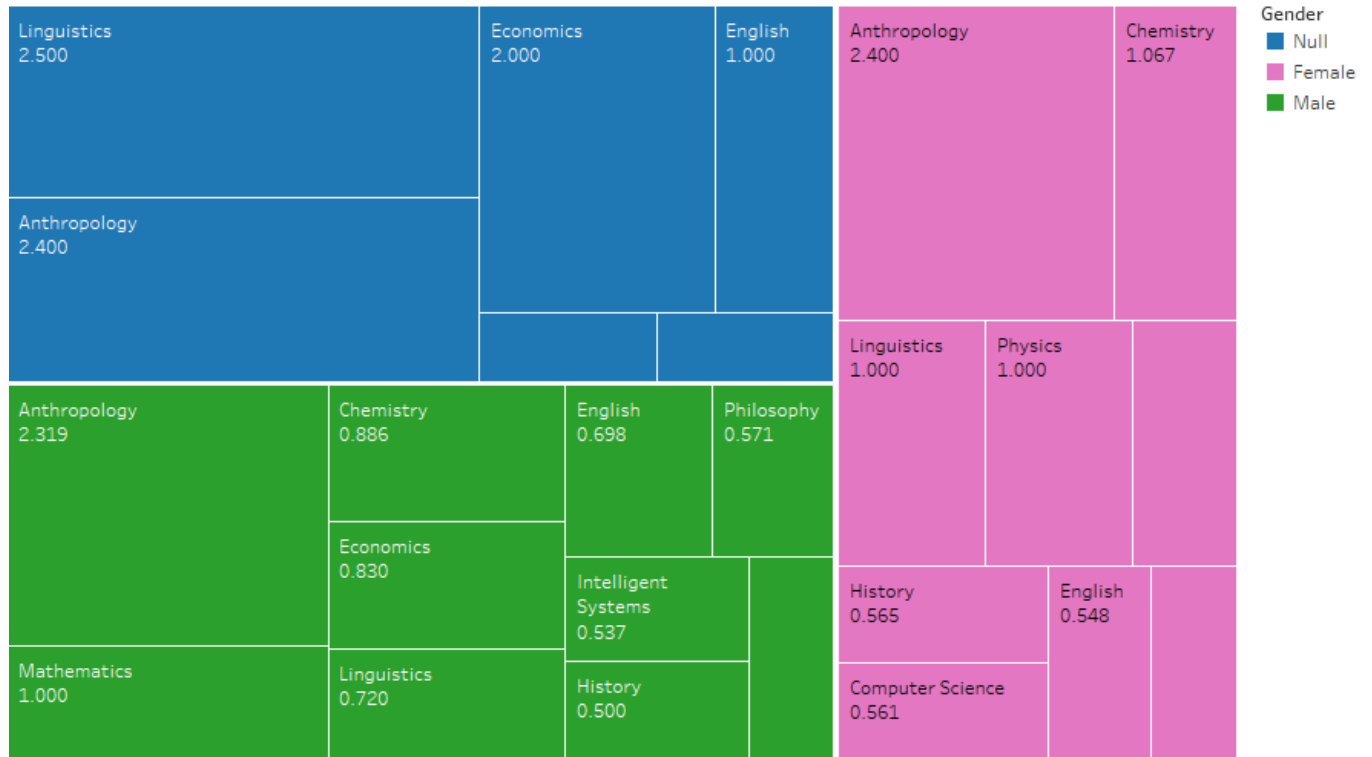


Yield Ratio for each Current Country. Color shows details about Department Name. The view is filtered on Current Country and Yield Ratio. The Current Country filter keeps 49 of 49 members. The Yield Ratio filter ranges from 4.00 to 33.00.

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REPORT 5:



Department Name and Email Response Rate. Color shows details about Gender. Size shows ([Email Response Rate]). The marks are labeled by Department Name and Email Response Rate. The data is filtered on Ethnicity Indian, which excludes American Indian/Alaska Native.