

# University of California Tableau User Group (TUG)

Hosted By:

UC Office of the President  
Institutional Research & Academic  
Planning (IRAP)

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# Agenda

- Welcome/Introductions
- Tableau Integration with R – **Brianna Moore-Trieu**
- Tableau Integration with Cognos – **Sanketh Sangam**
- Tableau Accessibility updates since 10.2 – **Ryan Chan**
- Q&A

# Integration of R with Tableau

- Install R and R Server

```
install.packages("Rserve")  
library(Rserve)  
Rserve()
```

- Connect Tableau to R

Help menu and select "Manage External Connection". Enter a server name of "localhost" (or "127.0.0.1") and a port of "6311". Test the connection

- Example of Statistical Analysis in Tableau using R

Chi-square to check for differences in graduation rates between groups

- Other resources for using Tableau with R

[Integrate Tableau and R White paper](#)

[Clustering](#)

[Logistic Regression](#)

# Tableau & Cognos Integration

- Project: Display reference tables in a tabular format
- Challenges: Tableau does not provide horizontal scroll bar in the dashboard for the dimension columns
- Advantages: Tableau allows users to view dashboards without any login account. Cognos helps to create reports with data in desired tabular format

# Tableau & Cognos Integration

- Create Cognos report using a generic or guest account
- Embed Cognos report into tableau dashboard using the cognos action URL
- Verify cognos account details and turn off viewer header and toolbar in the action URL
- Publish the dashboard to a webpage

# Accessibility in Tableau

- Remember, accessibility benefits everyone!
- Best Practices:
  - Keep it simple
  - Titles and captions
  - Additional text
  - Color and contrast
- Not all functions are keyboard navigable. For example, story points are not, but tabs are. Experiment!

