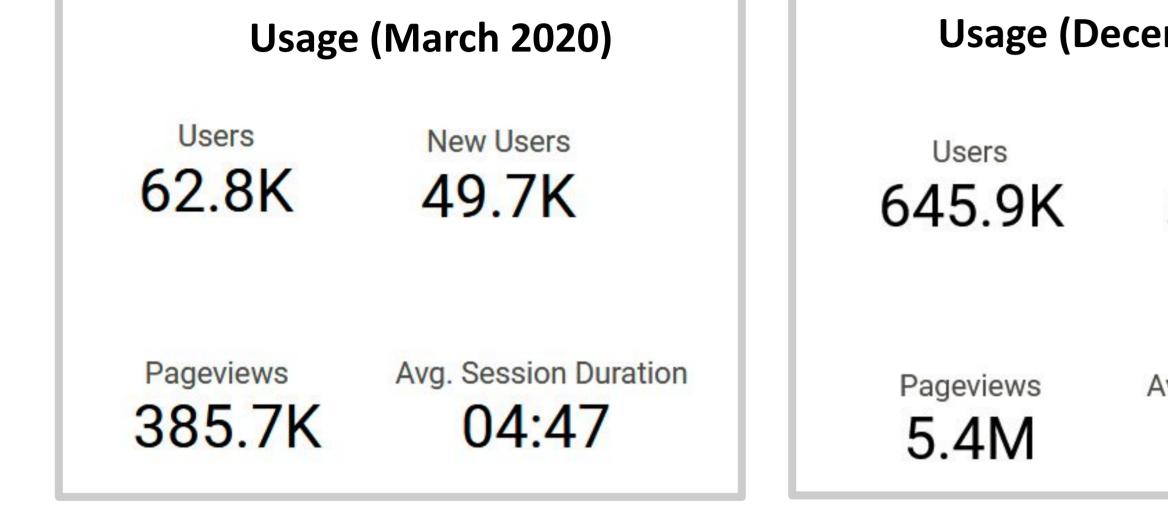


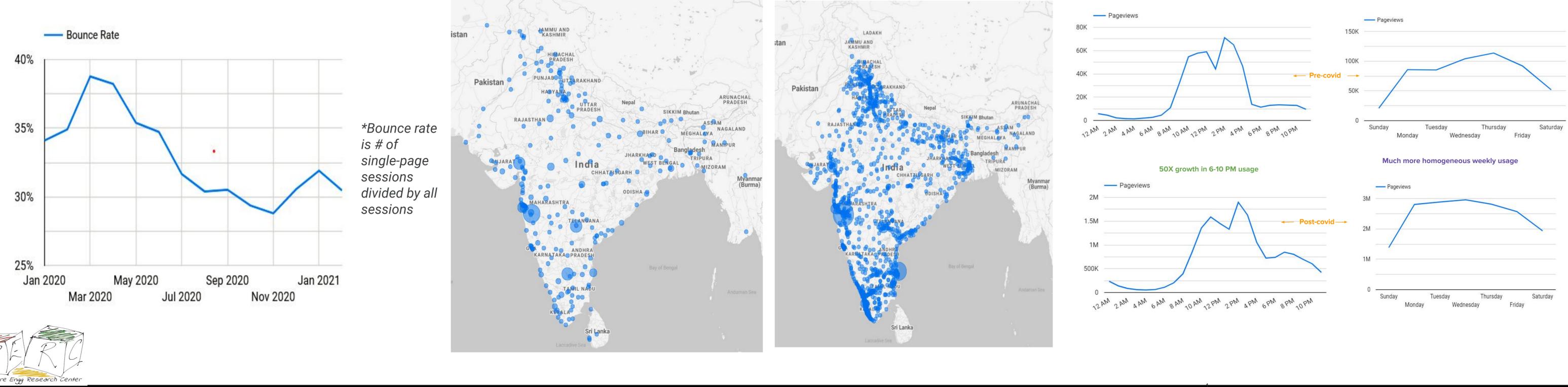


Impact of COVID on Virtual Labs Usage



New Users: Users with no session cookie when they visit. **Users**: All users (new or returning) Pageviews: Total number of pages viewed (loaded/reloaded in browser) **Session**: The period of time a user is active on the site (30 min of inactivity kills the session) **Avg. Session Duration**: Total time spent in sessions/# of sessions

Real usage went up (bounce rate* dropped)



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New Users 309.8K

Avg. Session Duration 08:42

Usage (January- December 2020)	
Users 3.7M	New Users 1.9M
Pageviews	Avg. Session Duration

07:36

26.7M

Covid Lockdow

Real pan-India usage (smaller cities active)

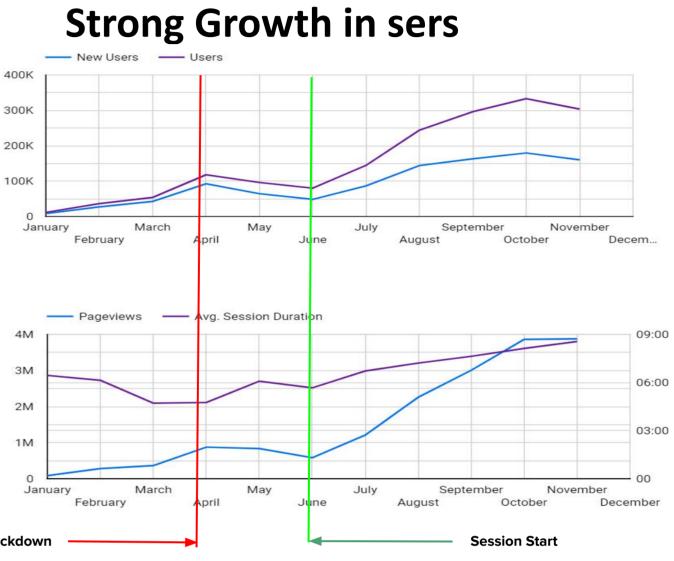
Authors: Dr.Venkatesh Choppella, Ravi Shankar, Priya Raman, Ojas Mohril, Raj Agnihotri Center: VLEAD, Software Engineering Research Center







Virtual Labs Engineering and Architecture Divisior



24/7 usage accelerated