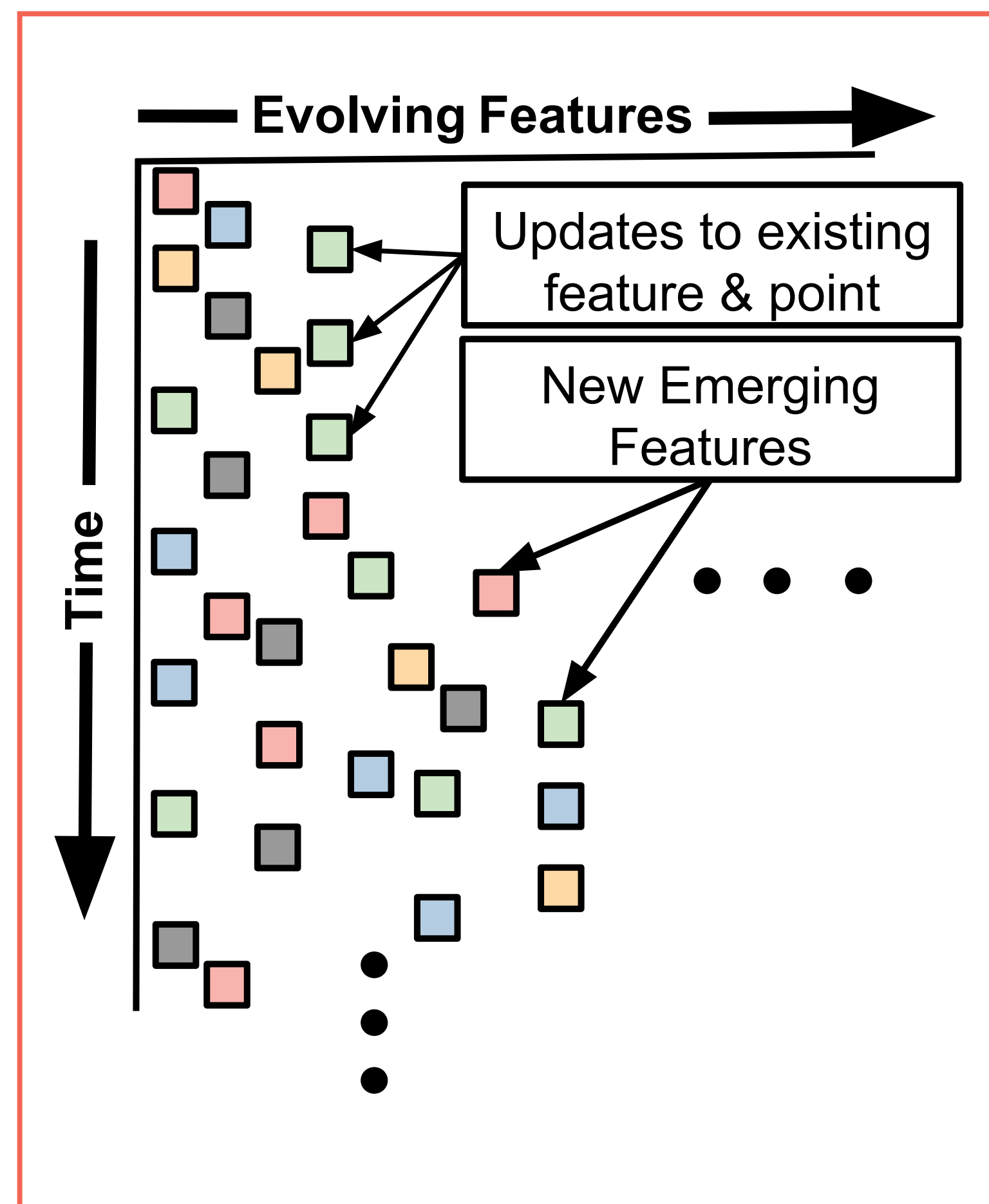
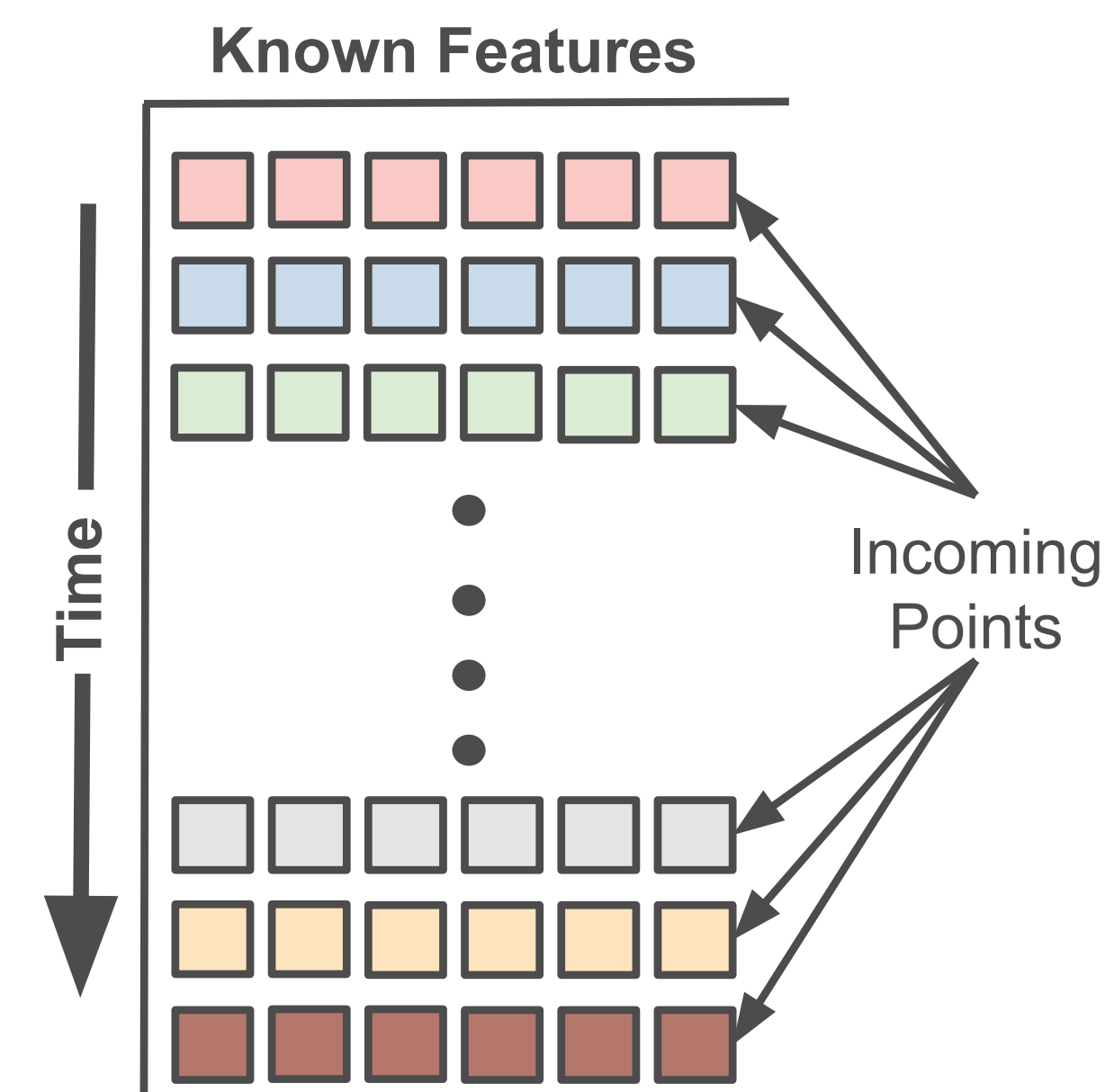


xStream | Outlier Detection in Feature-Evolving Data Streams



What if your **feature space**:

- **evolves over time?**
- **has infinite size?**
- **is unknown a-priori?**



#kdd2018

#icml2018

#nips2018

| #kdd2018 in London, August 19 – 23, will feature keynotes by David Hand, Alvin Roth, @yeewhye and Jeannette Wing ... | Towards Actionable Intelligence - this #icml2018 tutorial was so good! ... | ... do you like the acceptance in #nips2018 to be decided by random noise? ... |



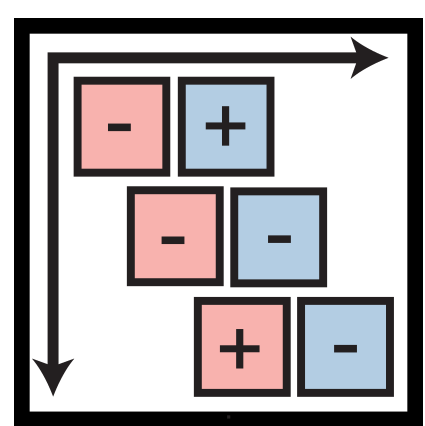
Emaad Manzoor



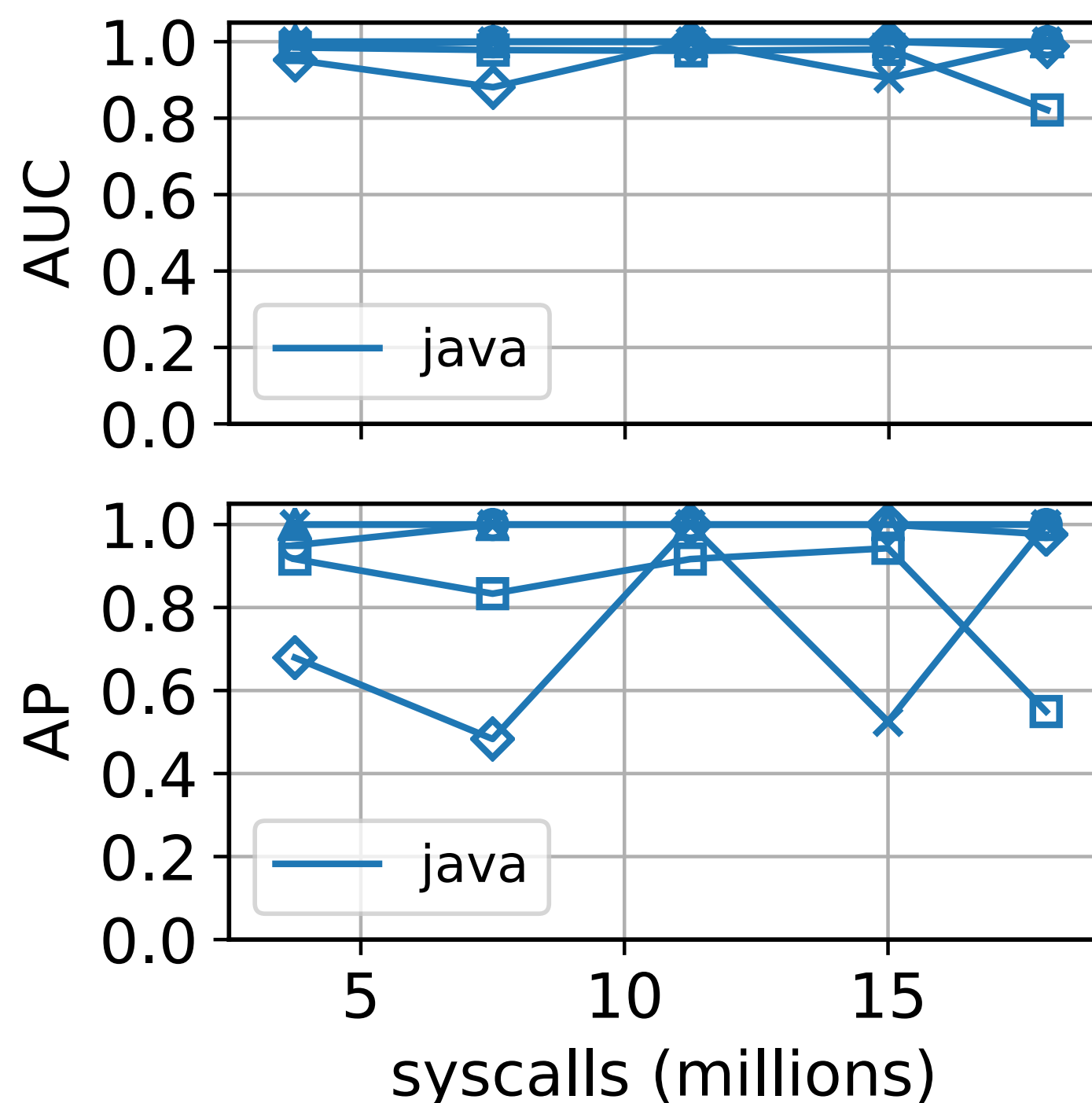
Hemank Lamba



Leman Akoglu



xStream | Outlier Detection in Feature-Evolving Data Streams



xStream performs:

- **multi-scale** outlier detection, on
- **dynamic, feature-evolving** streams, via an
- **ensemble** of hierarchical space partitioners, in
- **constant** time and space

Code & data available at cmuxstream.github.io

