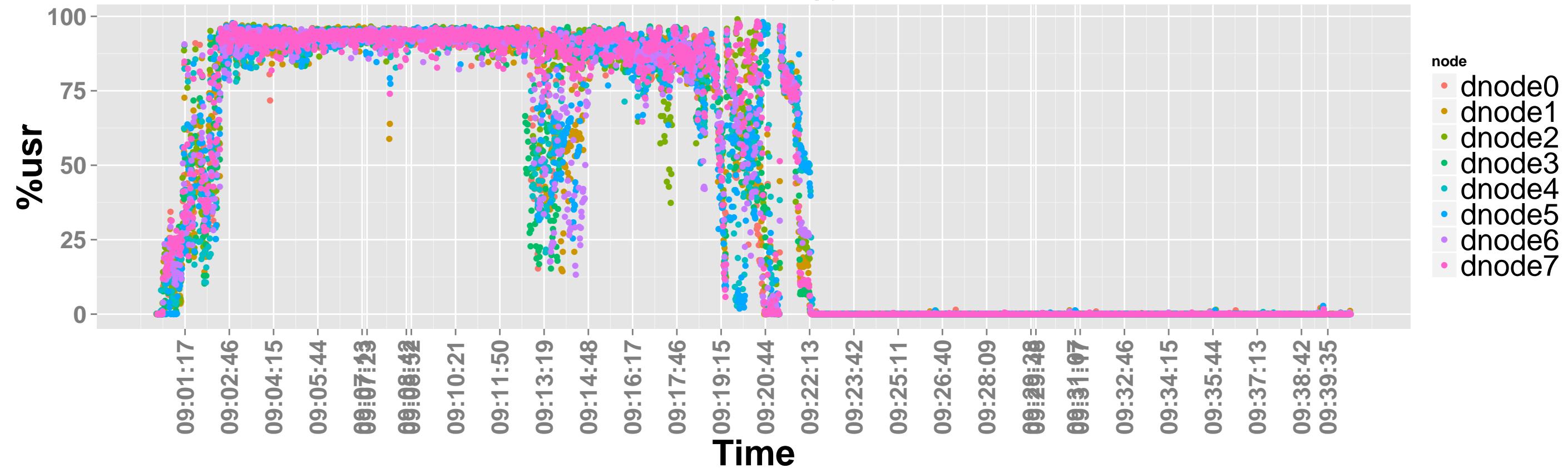
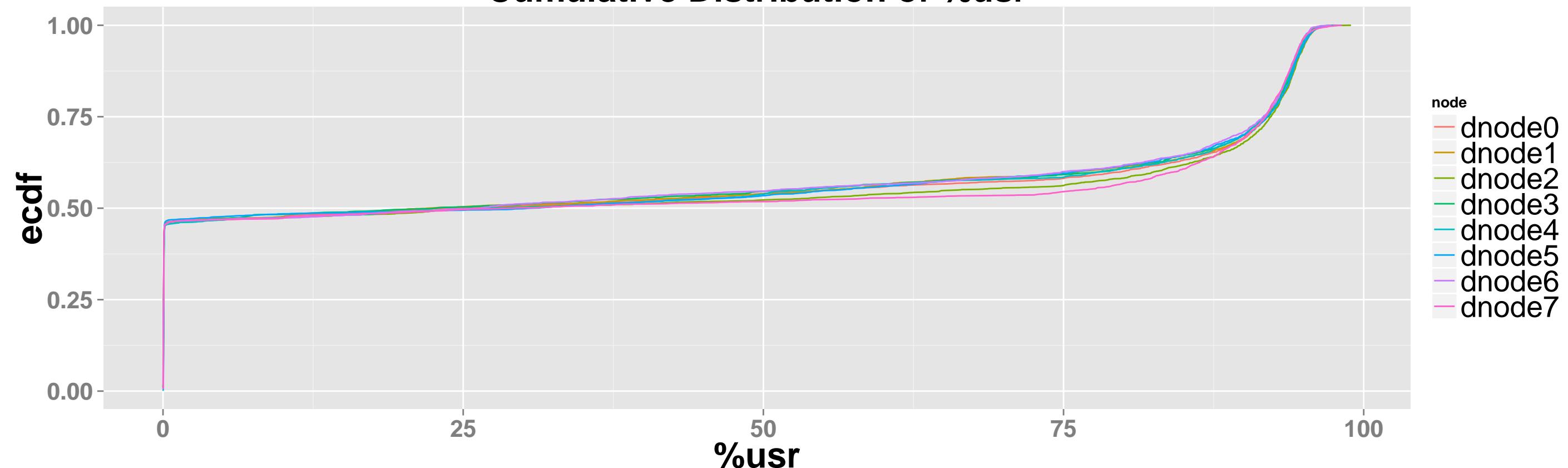


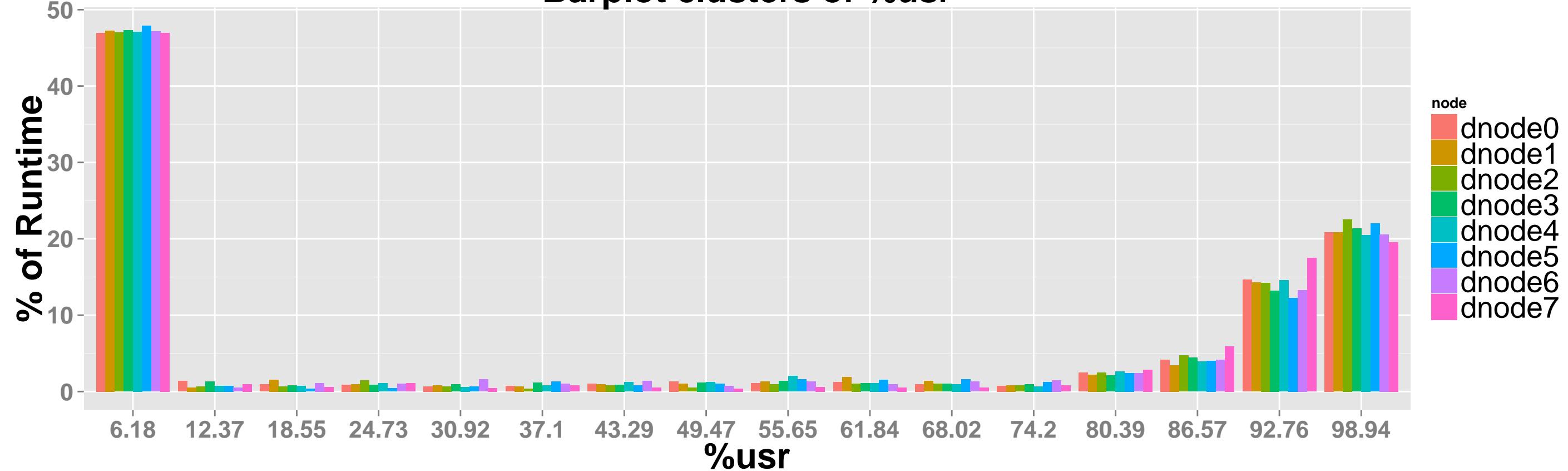
## Data Nodes %usr



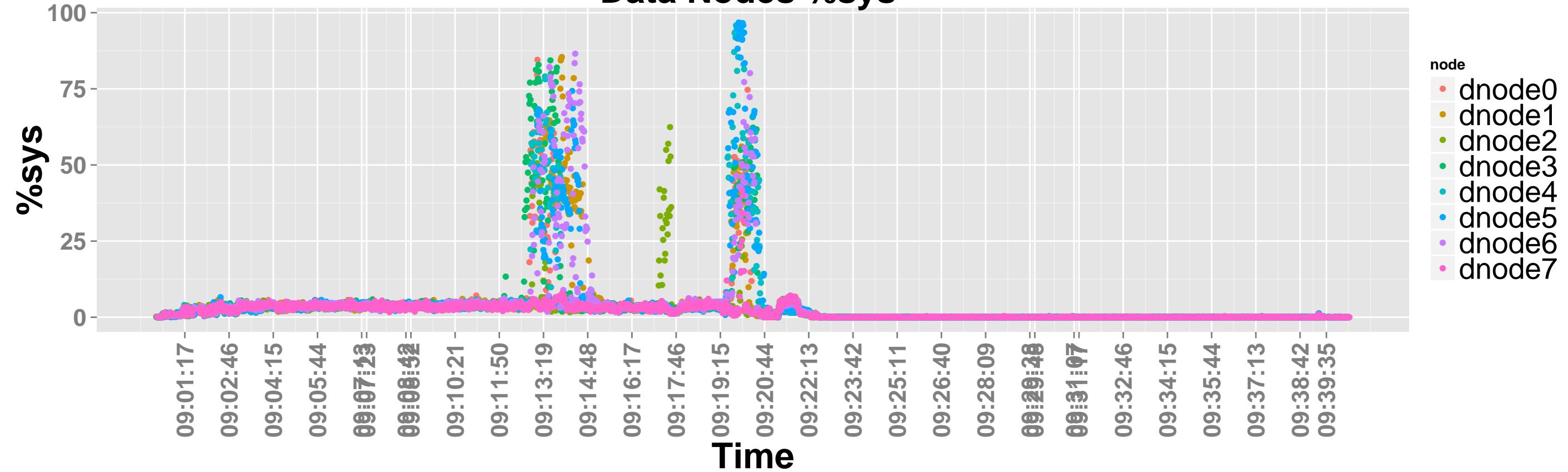
## Cumulative Distribution of %usr



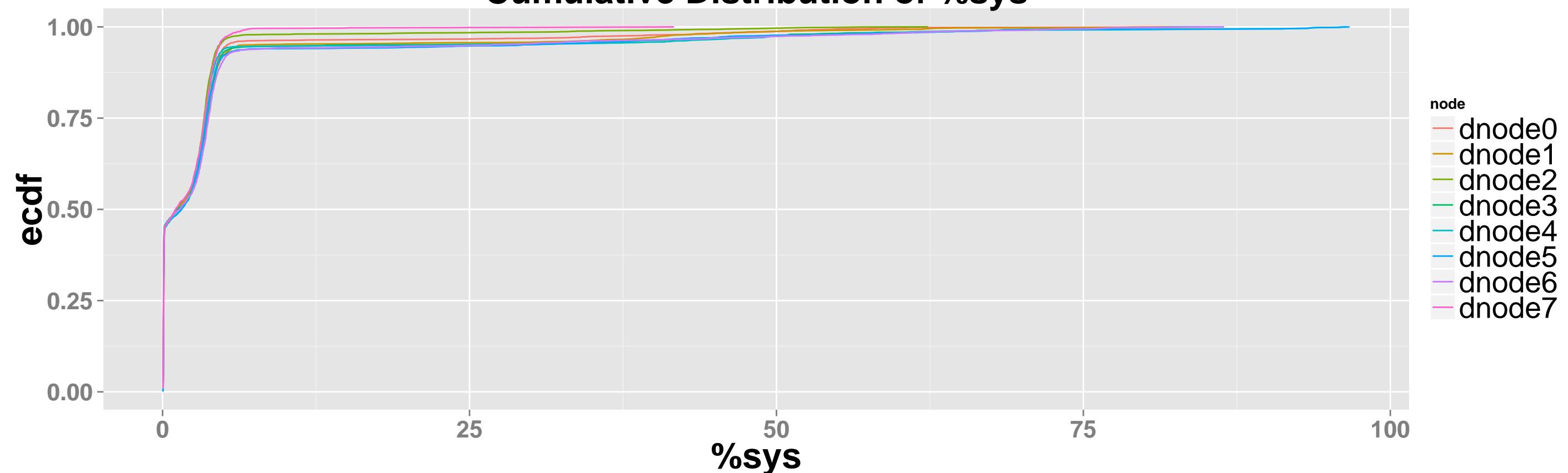
## Barplot clusters of %usr



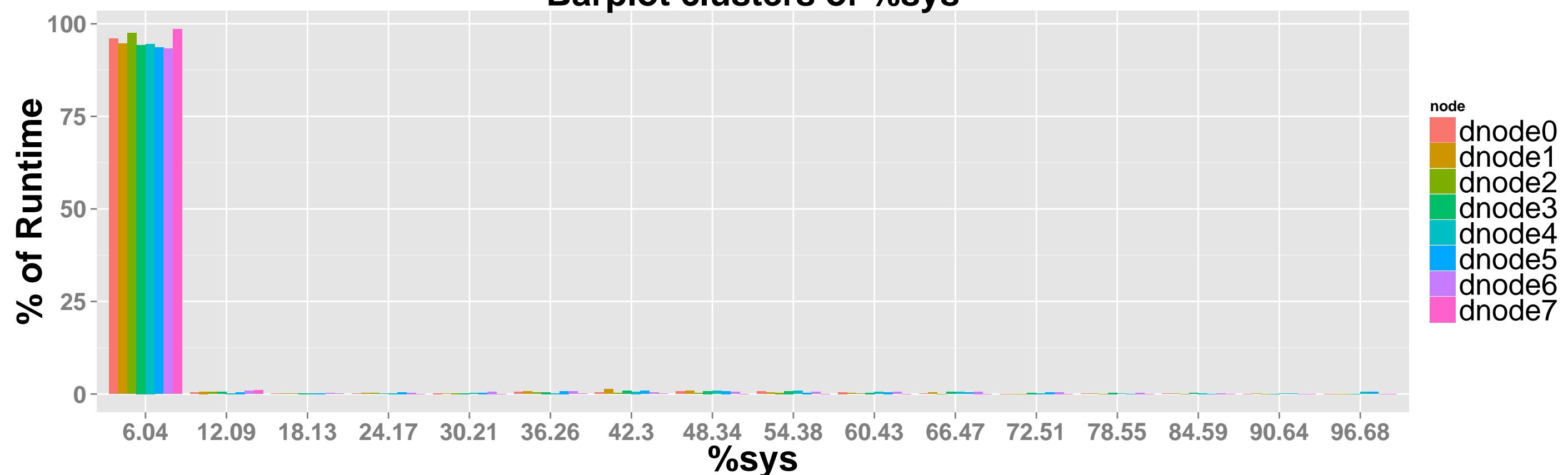
## Data Nodes %sys



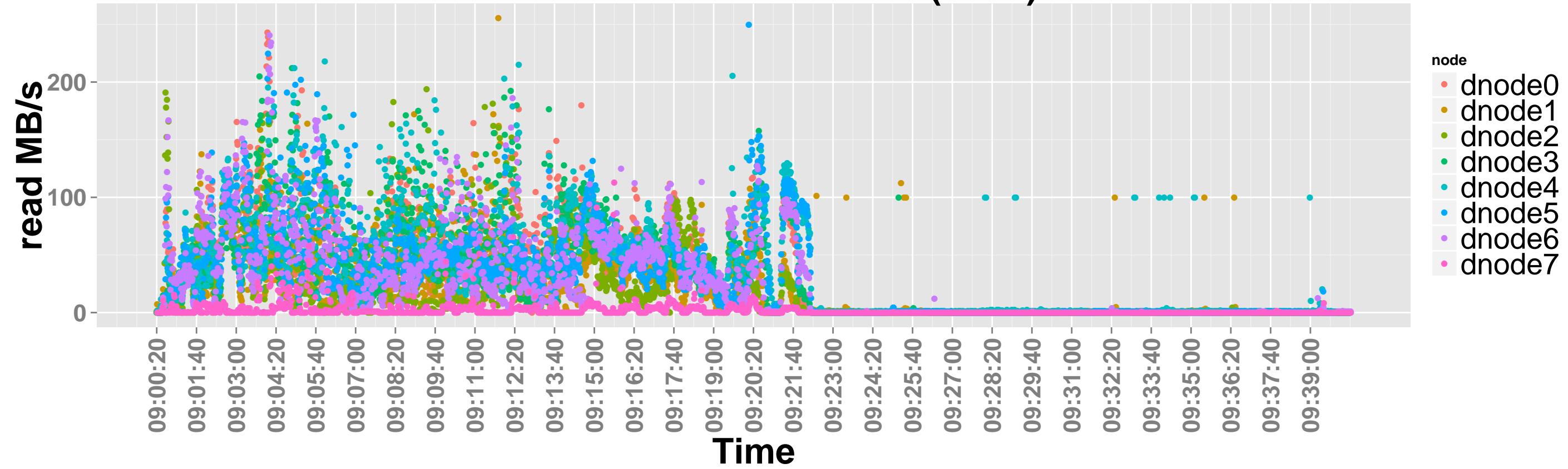
## Cumulative Distribution of %sys



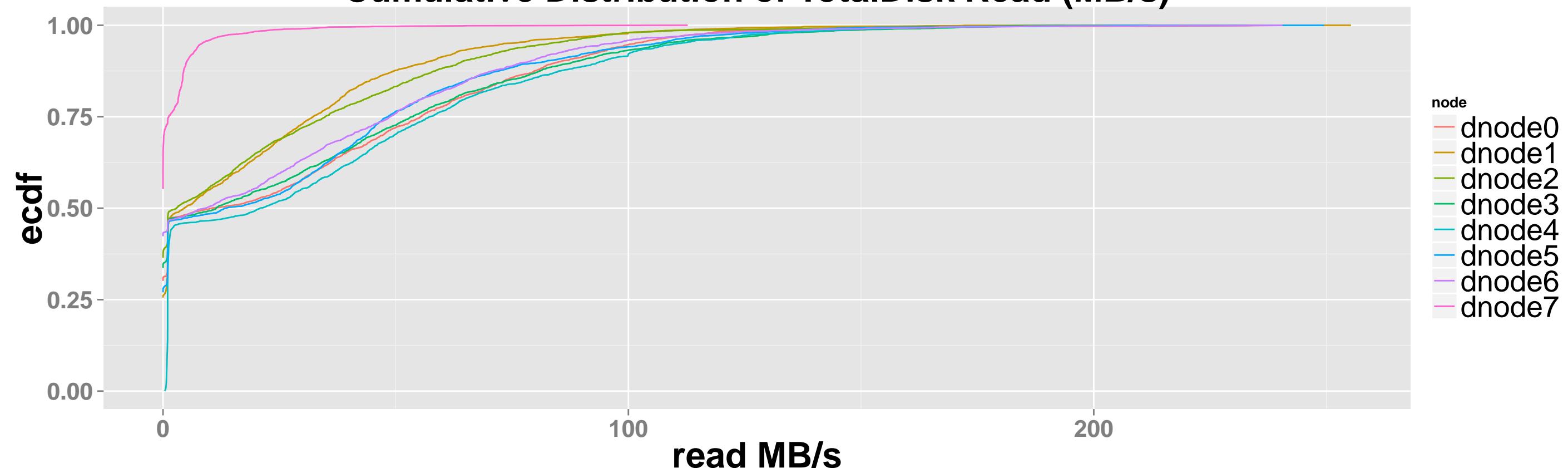
## Barplot clusters of %sys



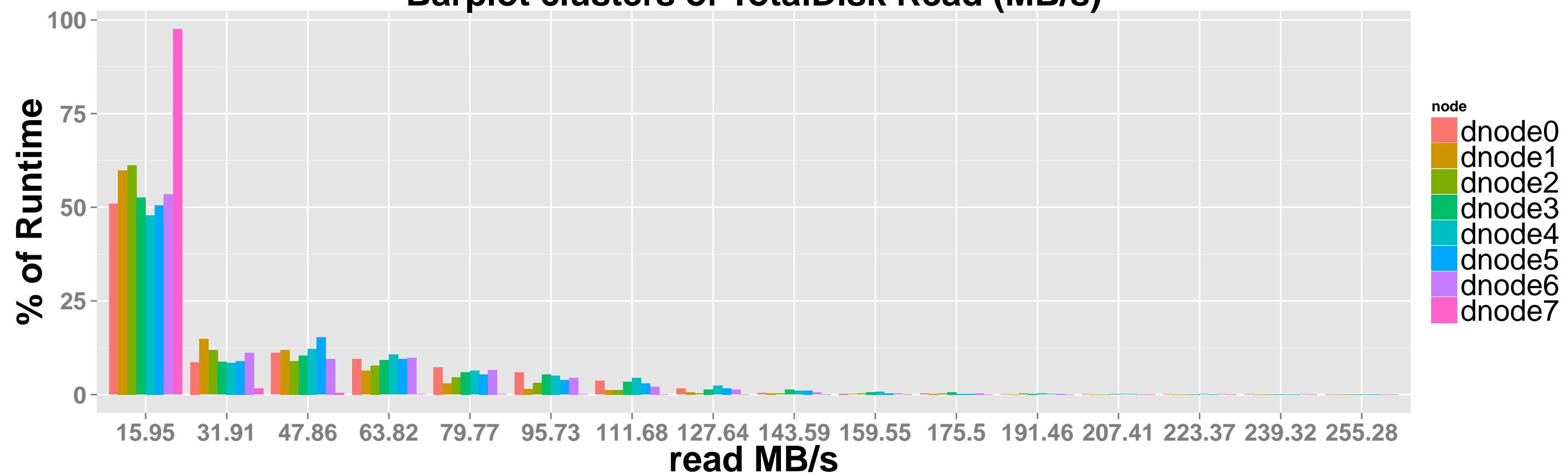
## Data Nodes TotalDisk Read (MB/s)



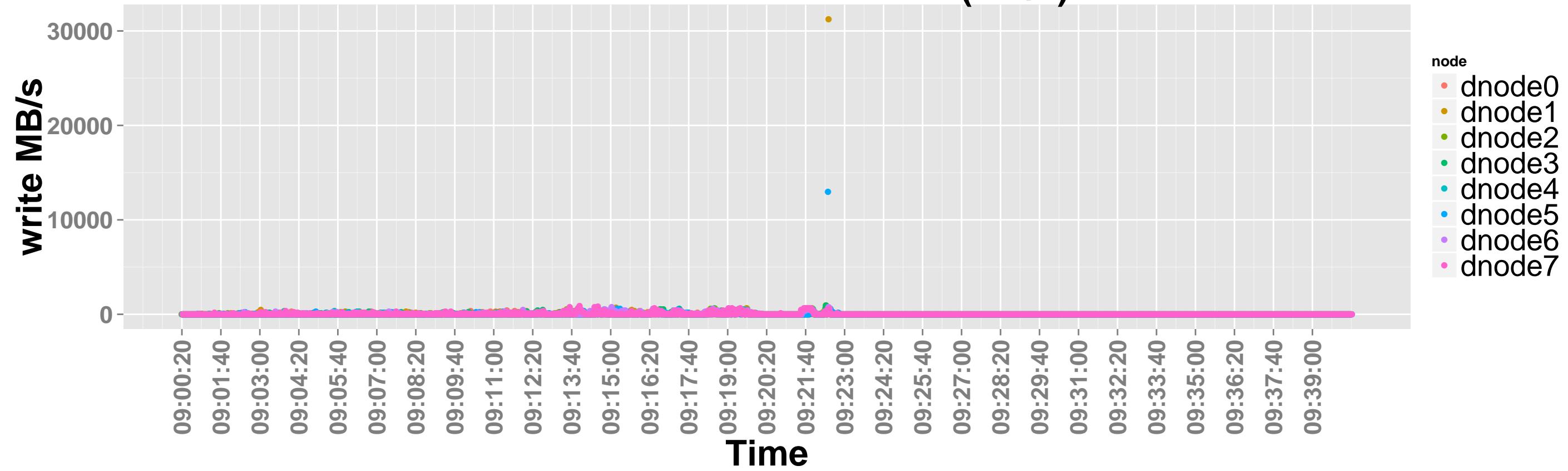
## Cumulative Distribution of TotalDisk Read (MB/s)



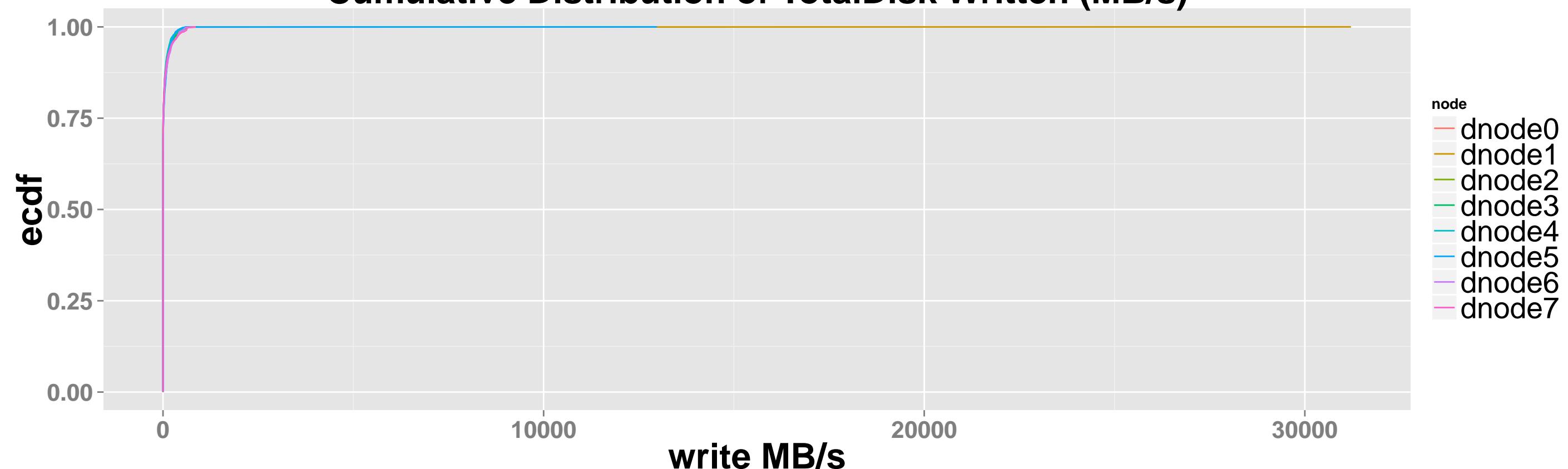
## Barplot clusters of TotalDisk Read (MB/s)



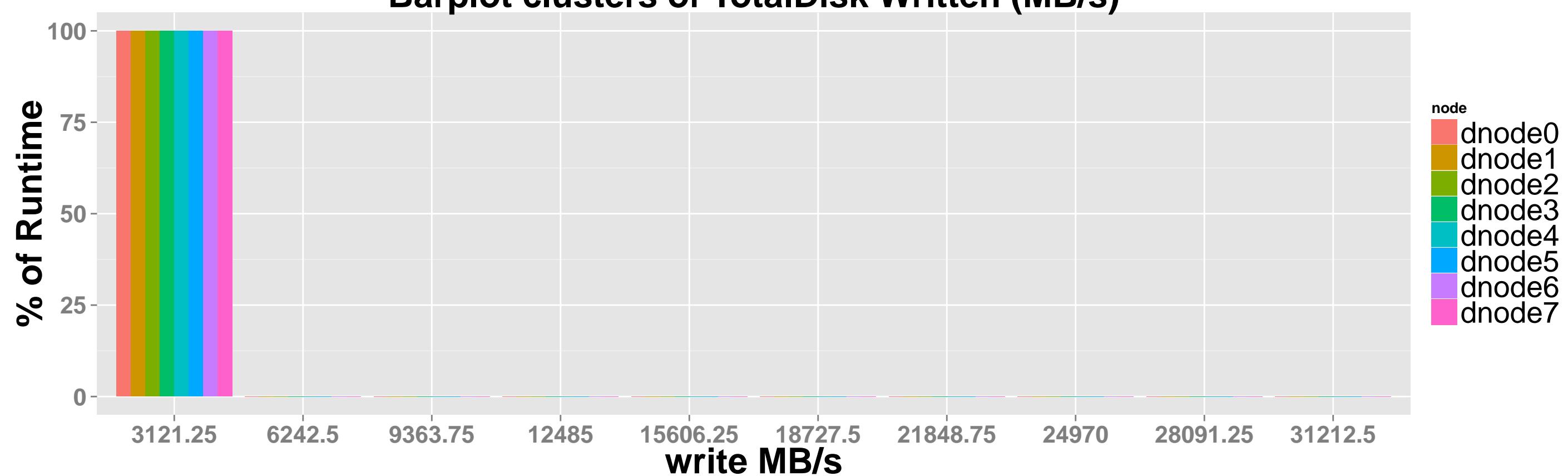
## Data Nodes TotalDisk Written (MB/s)

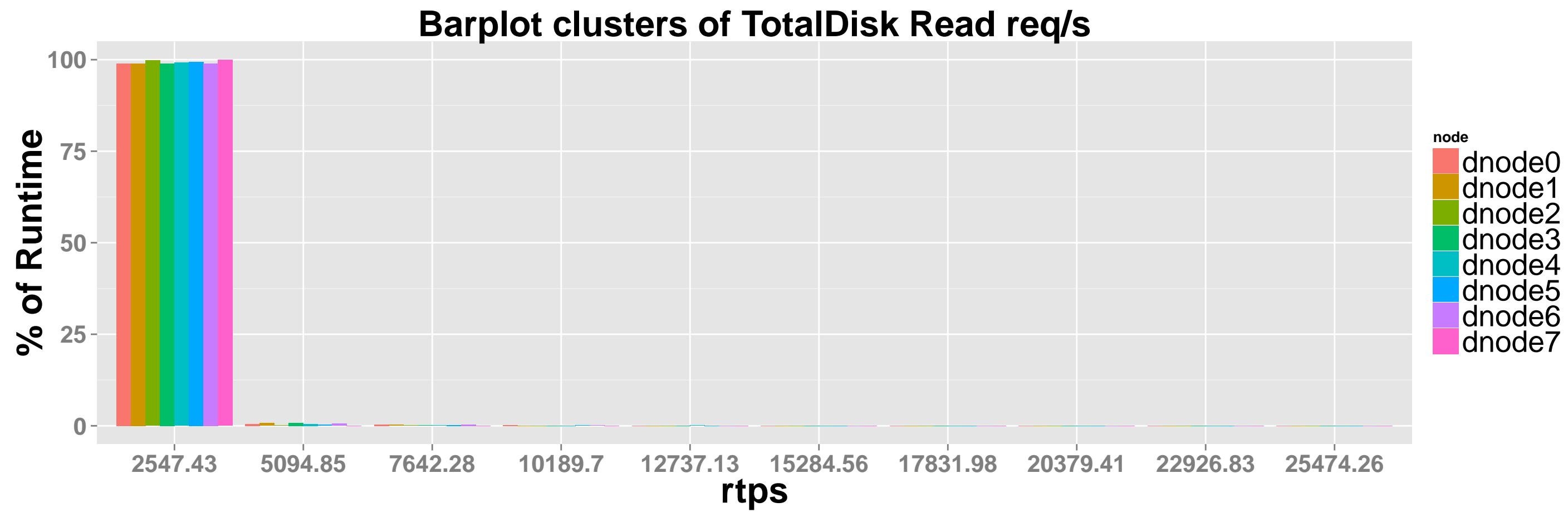
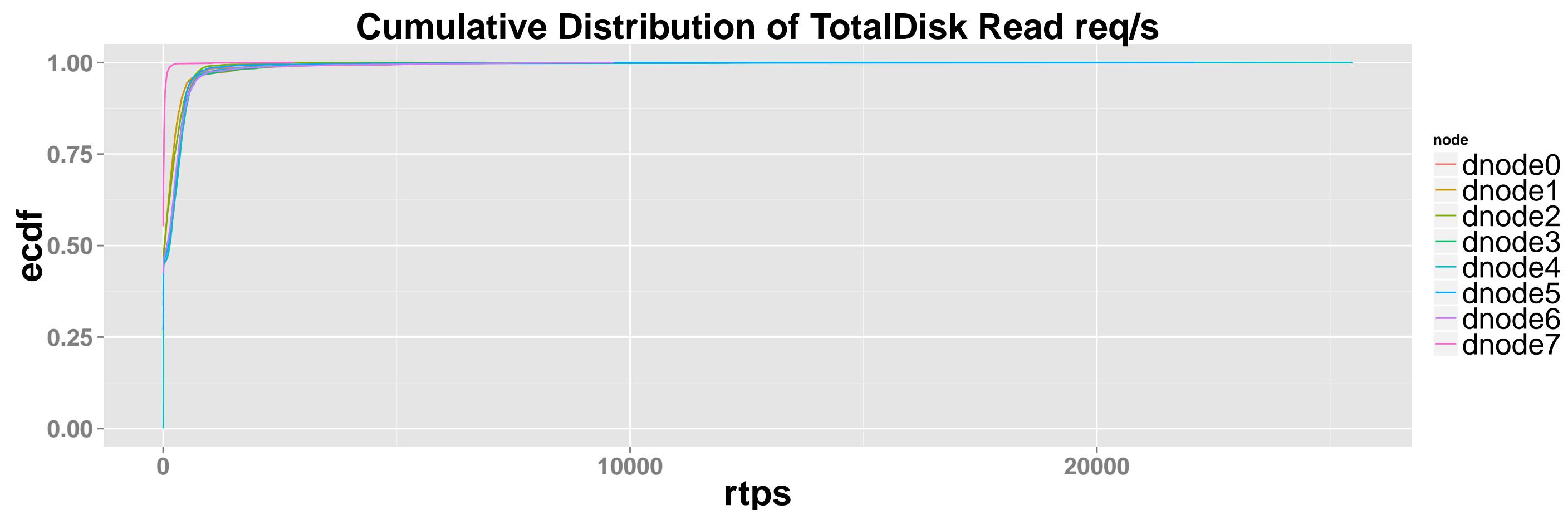
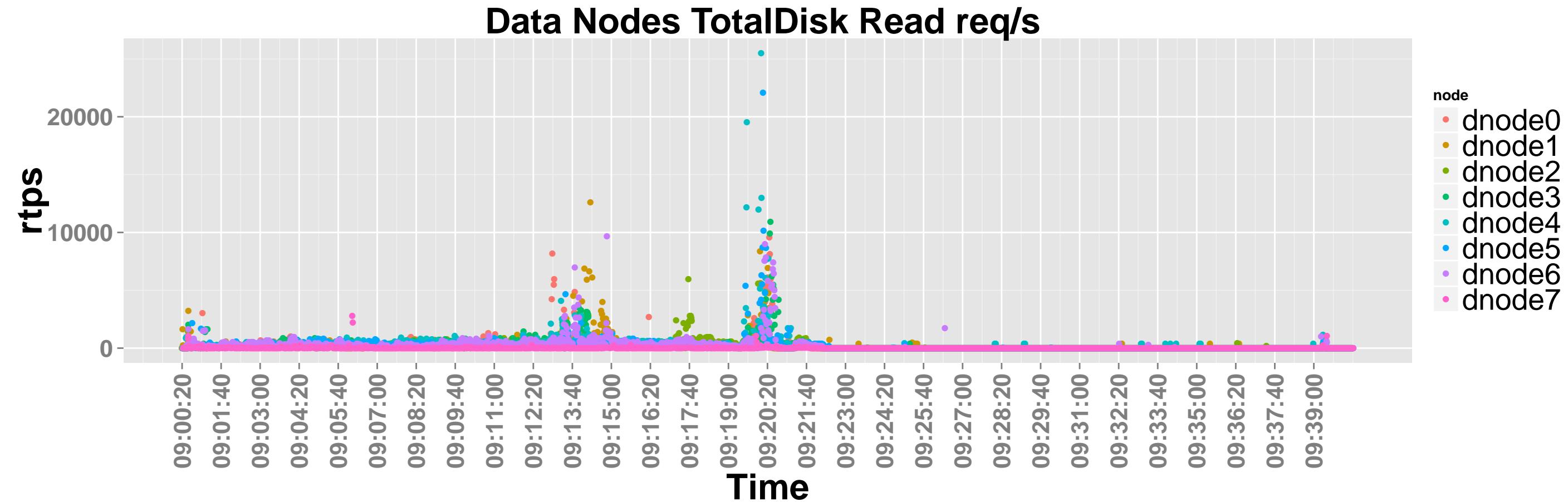


## Cumulative Distribution of TotalDisk Written (MB/s)

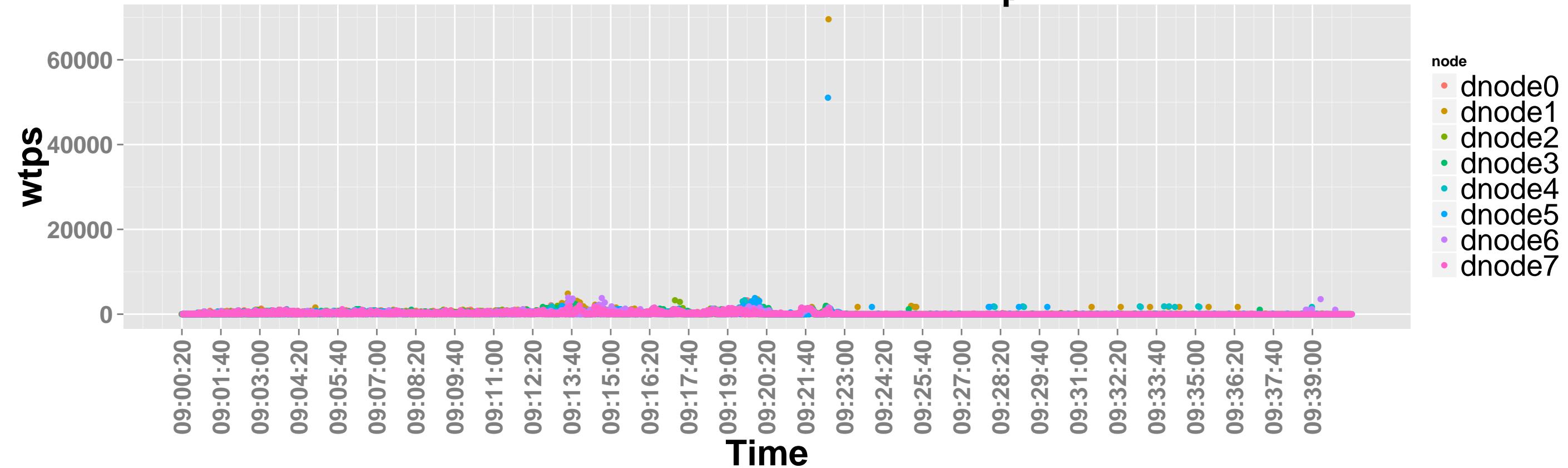


## Barplot clusters of TotalDisk Written (MB/s)

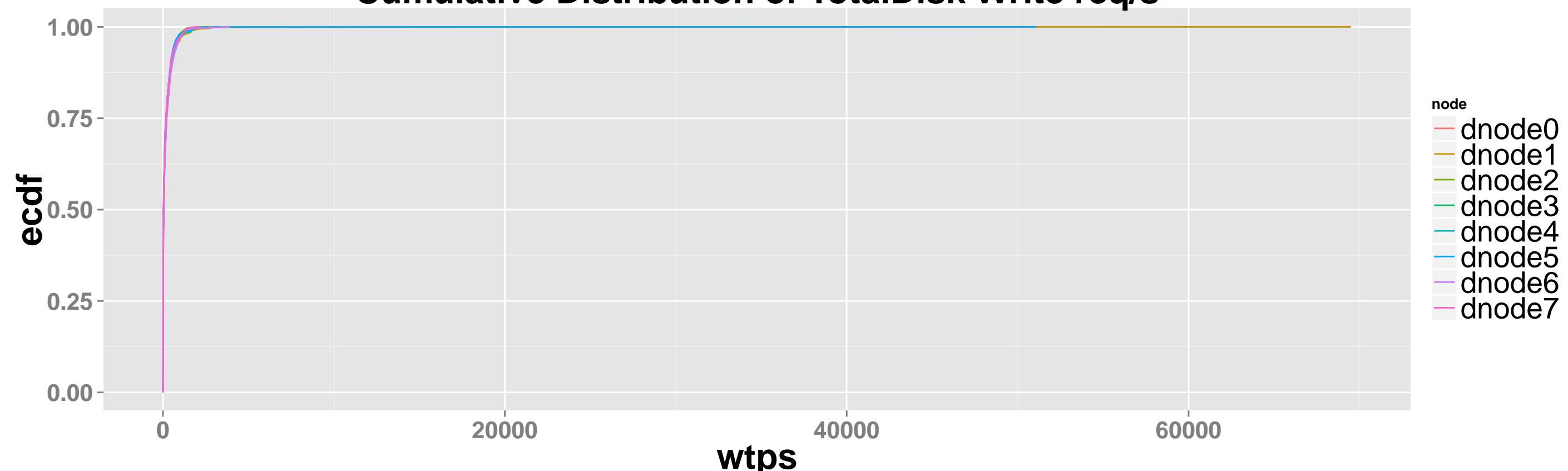




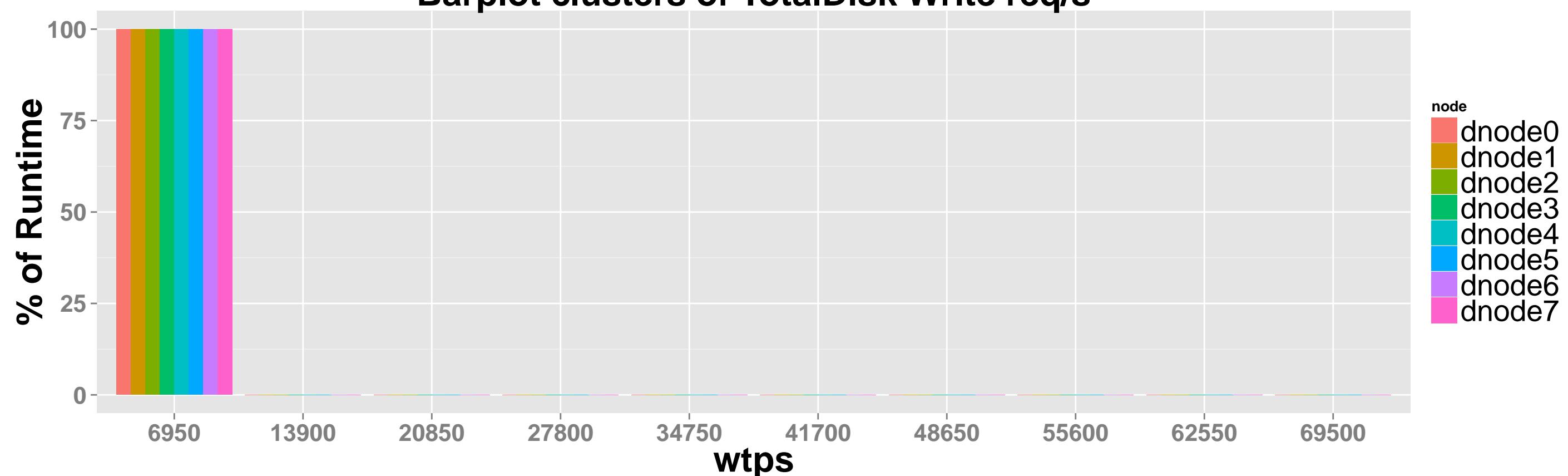
## Data Nodes TotalDisk Write req/s



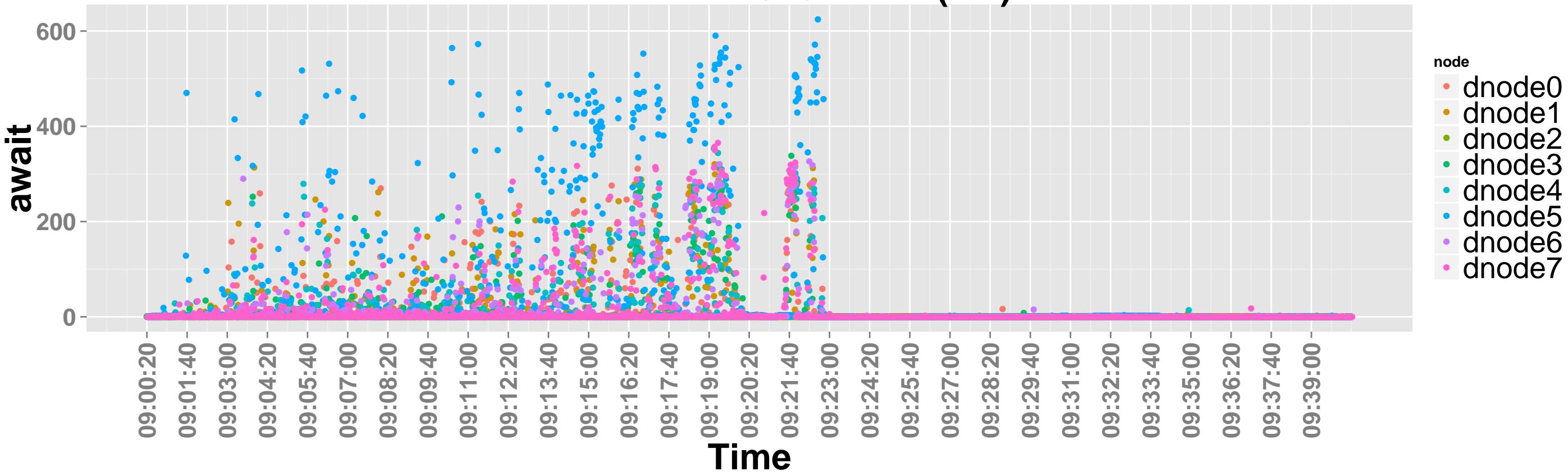
## Cumulative Distribution of TotalDisk Write req/s



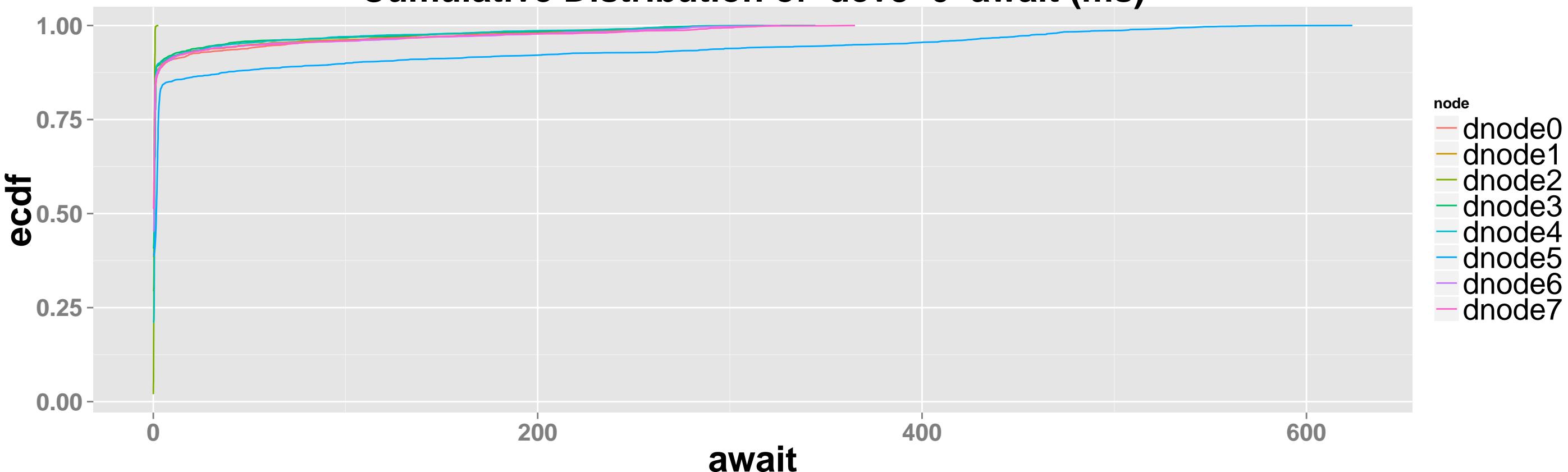
## Barplot clusters of TotalDisk Write req/s



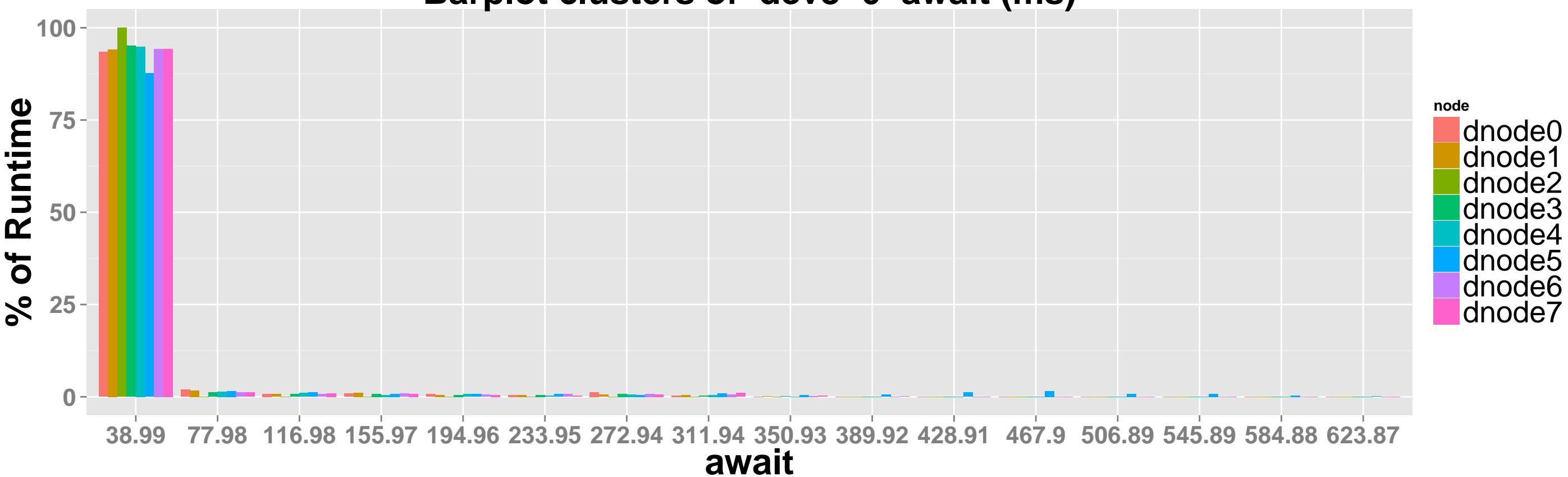
## Data Nodes dev8-0 await (ms)



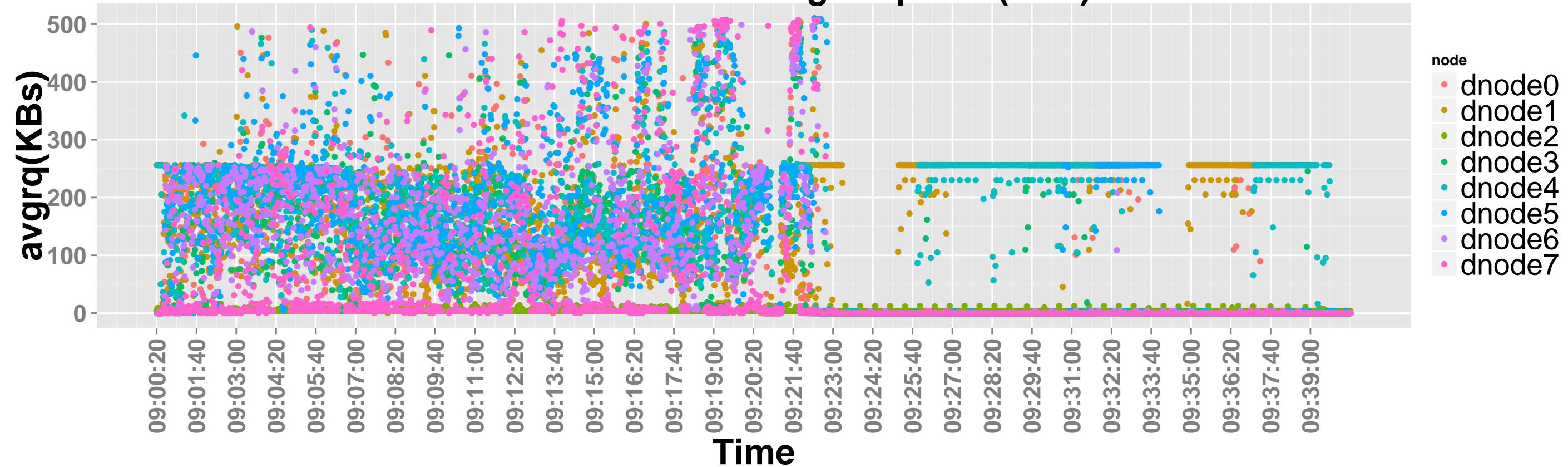
## Cumulative Distribution of dev8-0 await (ms)



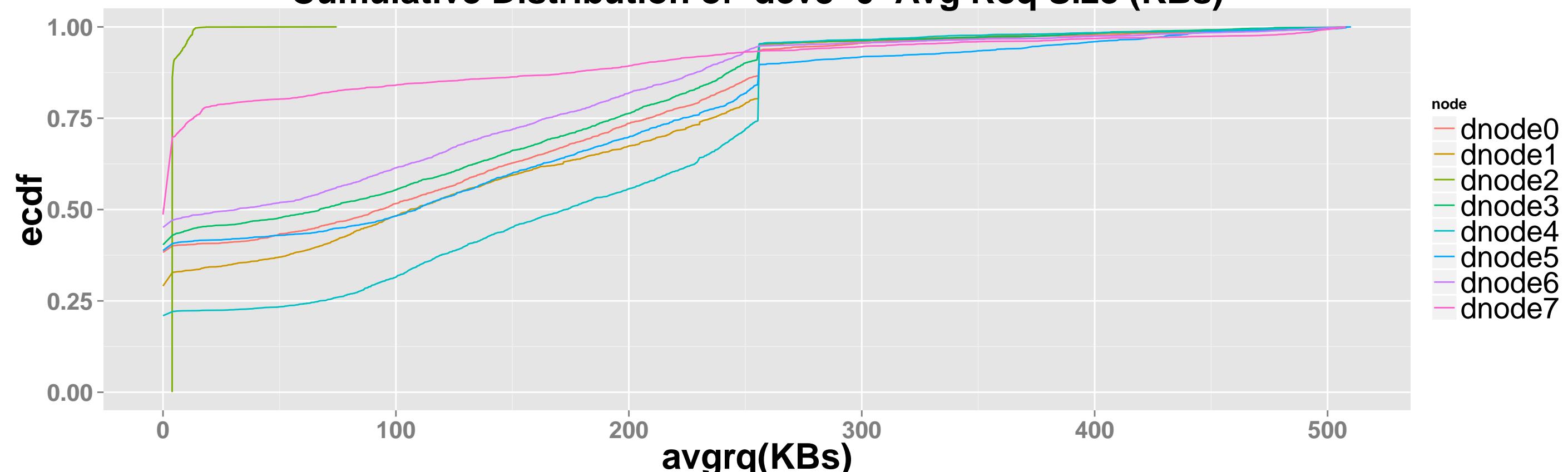
## Barplot clusters of dev8-0 await (ms)



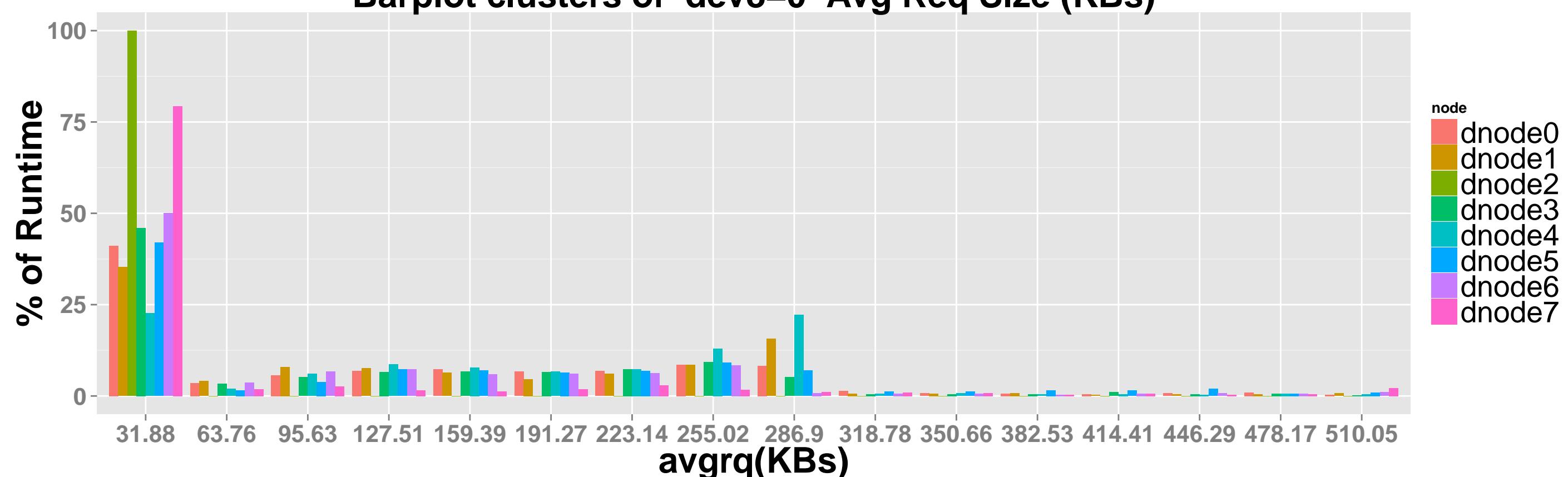
# Data Nodes dev8-0 Avg Req Size (KBs)



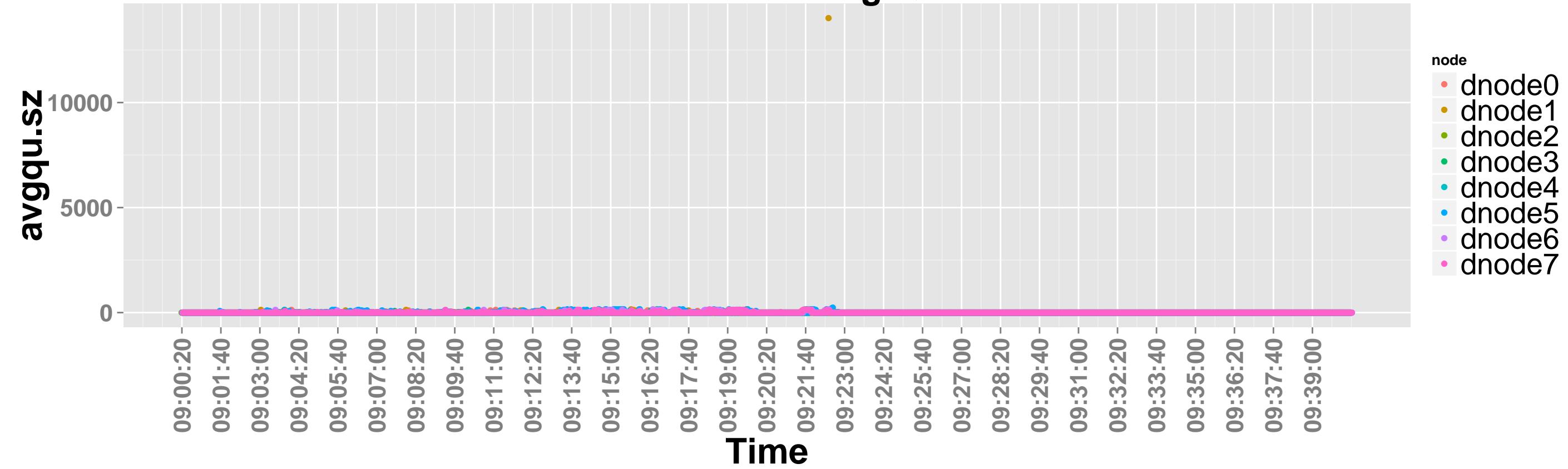
# Cumulative Distribution of dev8-0 Avg Req Size (KBs)



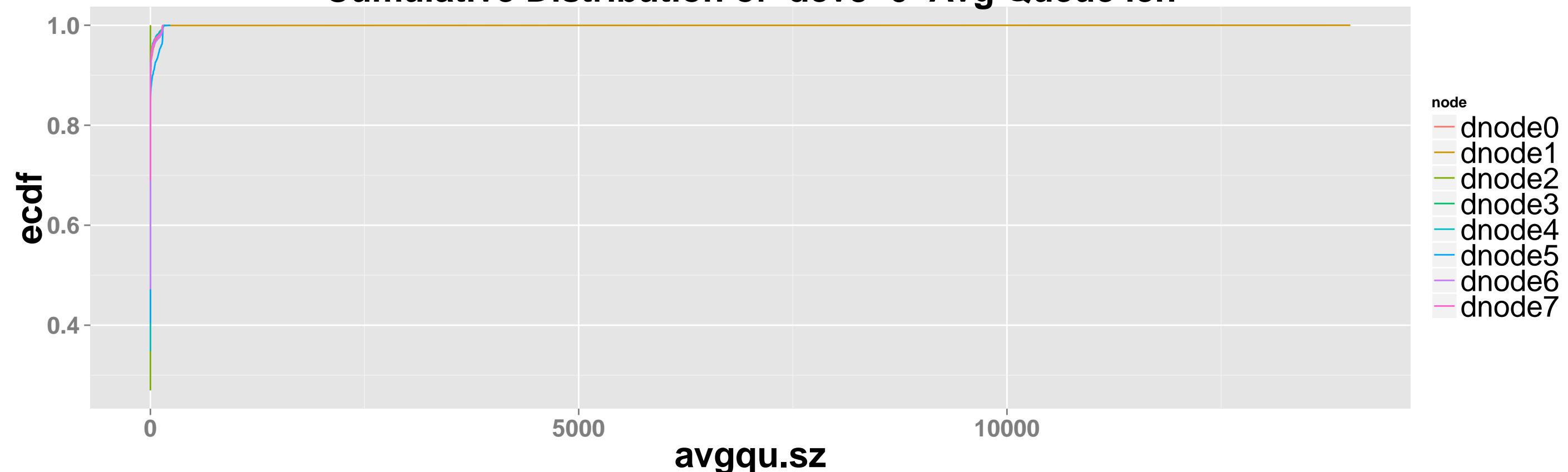
# Barplot clusters of dev8-0 Avg Req Size (KBs)



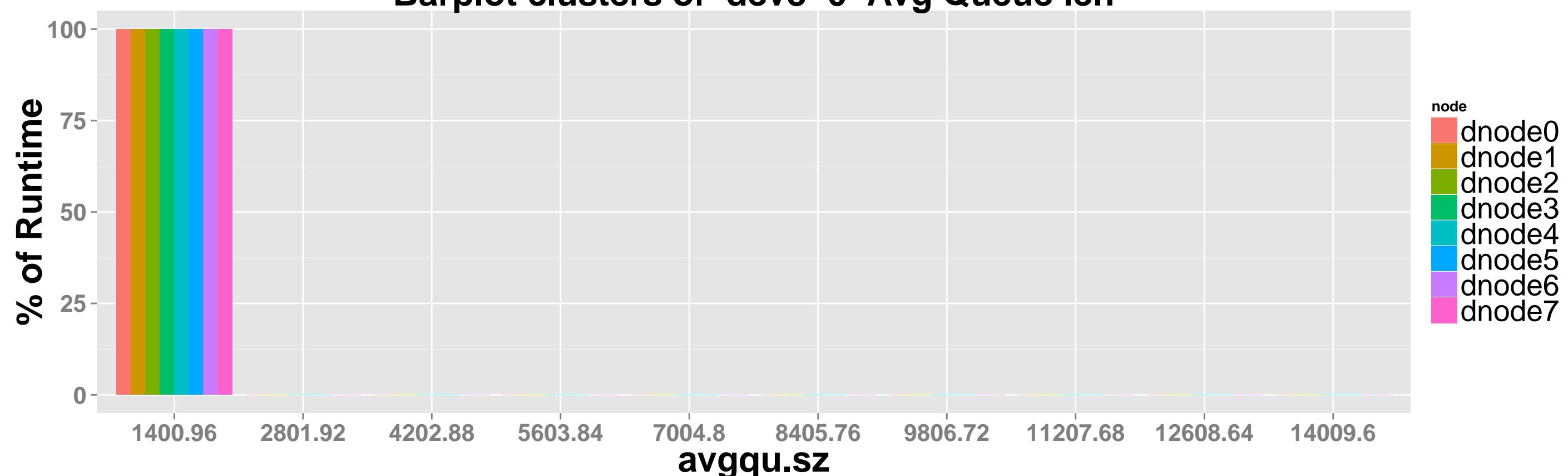
## Data Nodes dev8-0 Avg Queue len



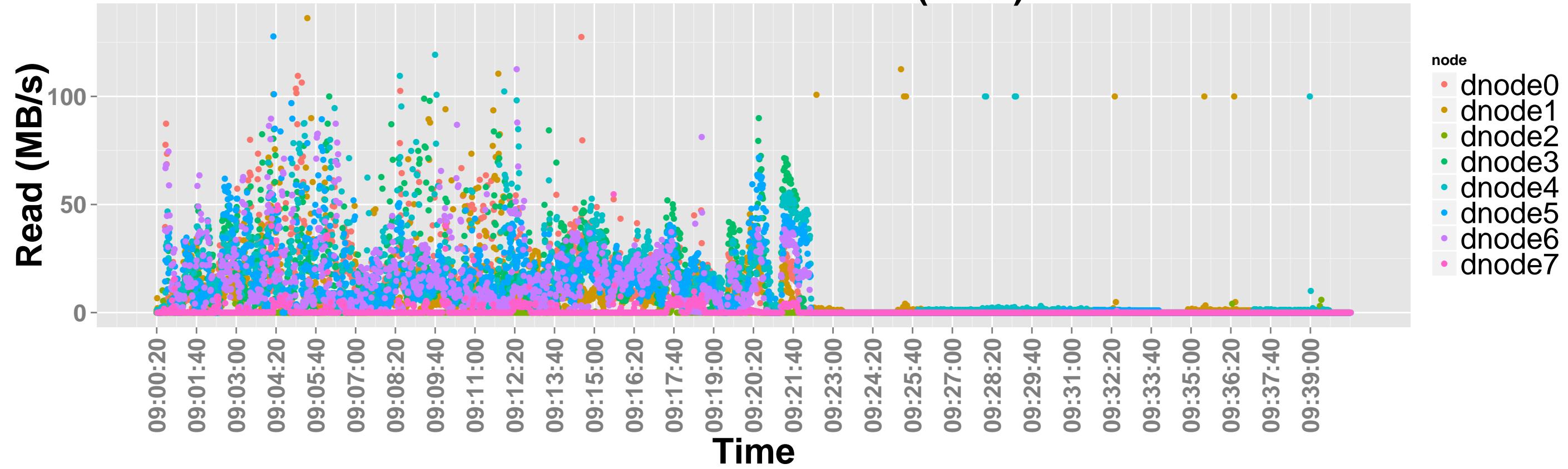
## Cumulative Distribution of dev8-0 Avg Queue len



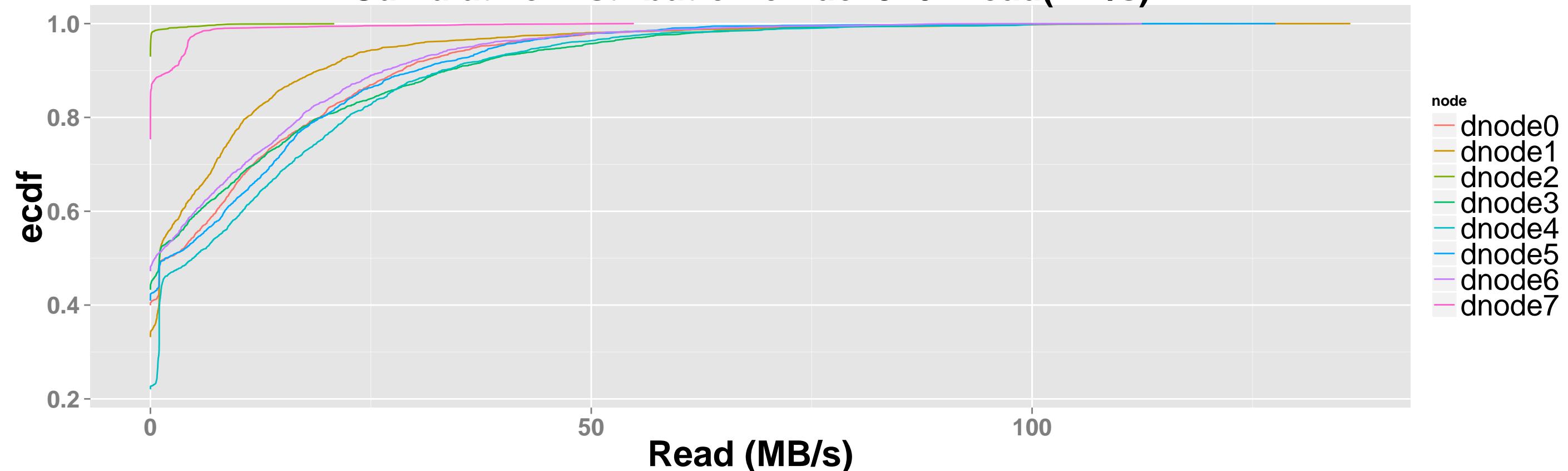
## Barplot clusters of dev8-0 Avg Queue len



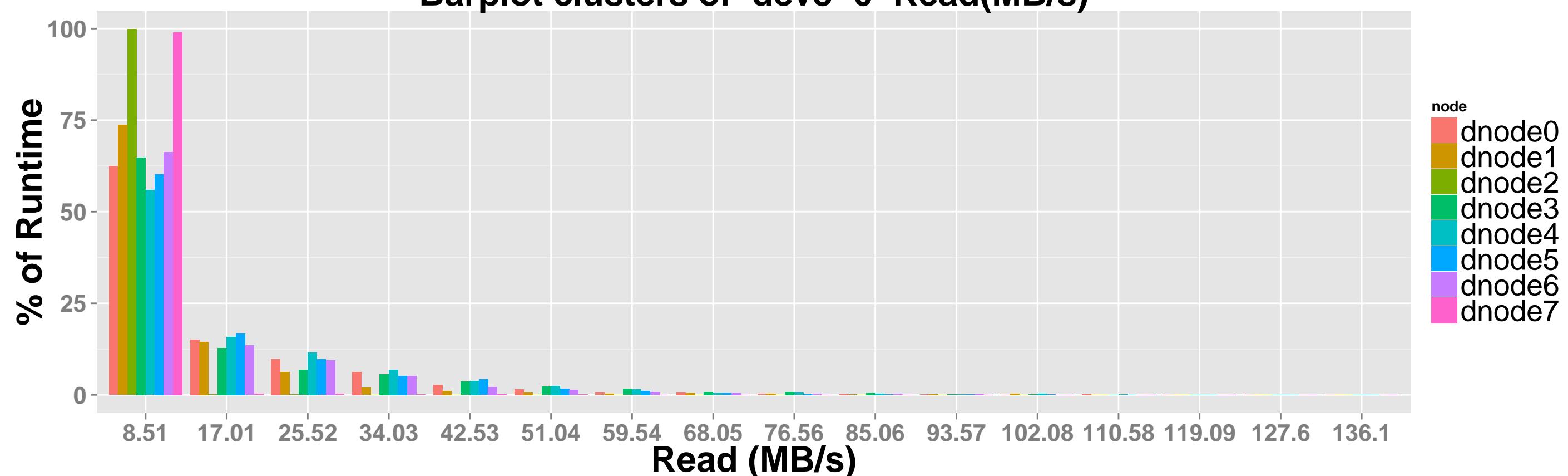
## Data Nodes dev8-0 Read(MB/s)



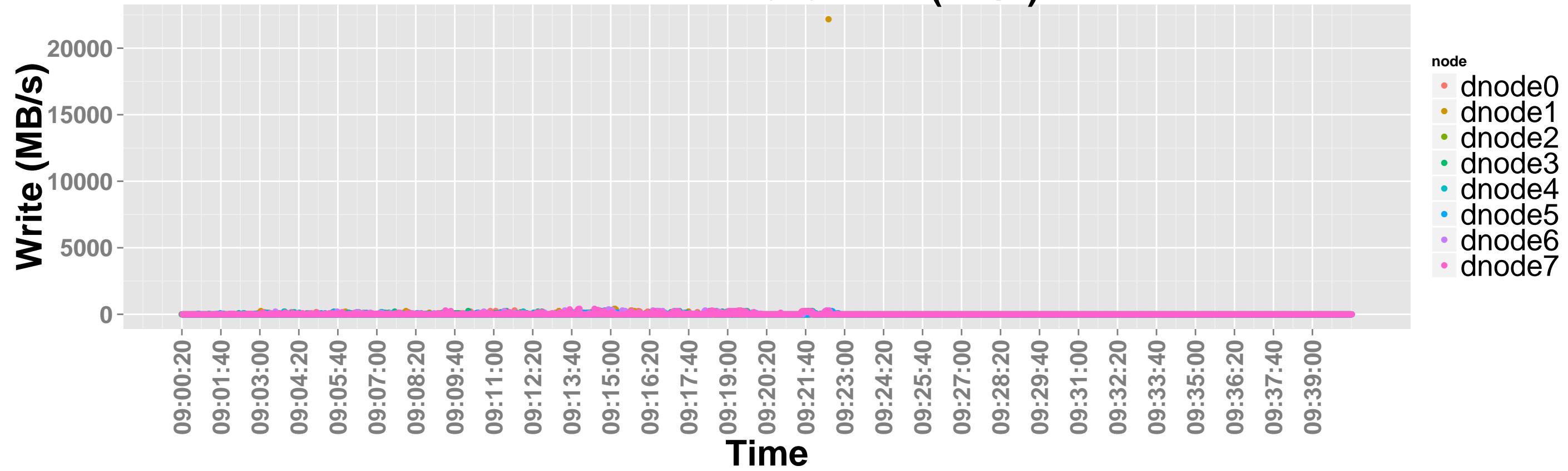
## Cumulative Distribution of dev8-0 Read(MB/s)



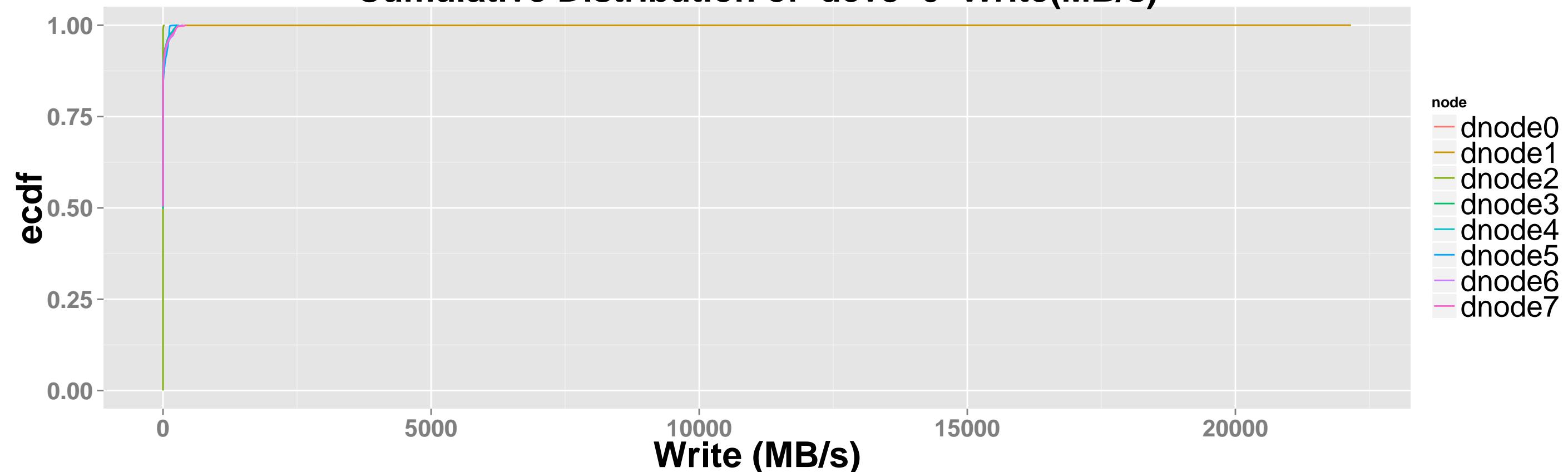
## Barplot clusters of dev8-0 Read(MB/s)



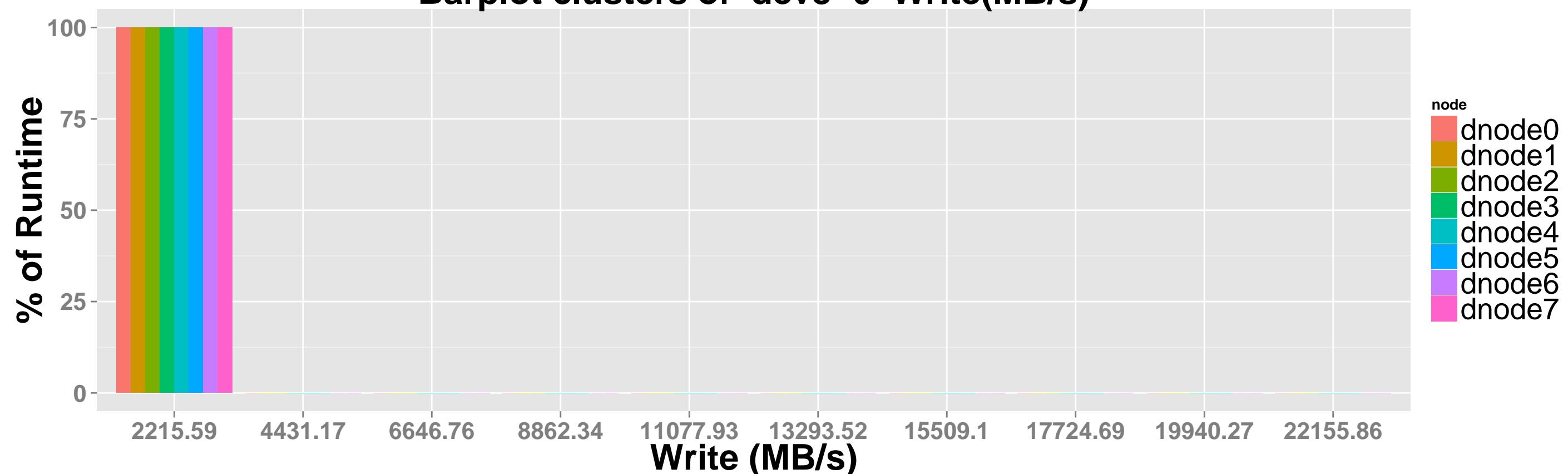
## Data Nodes dev8-0 Write(MB/s)

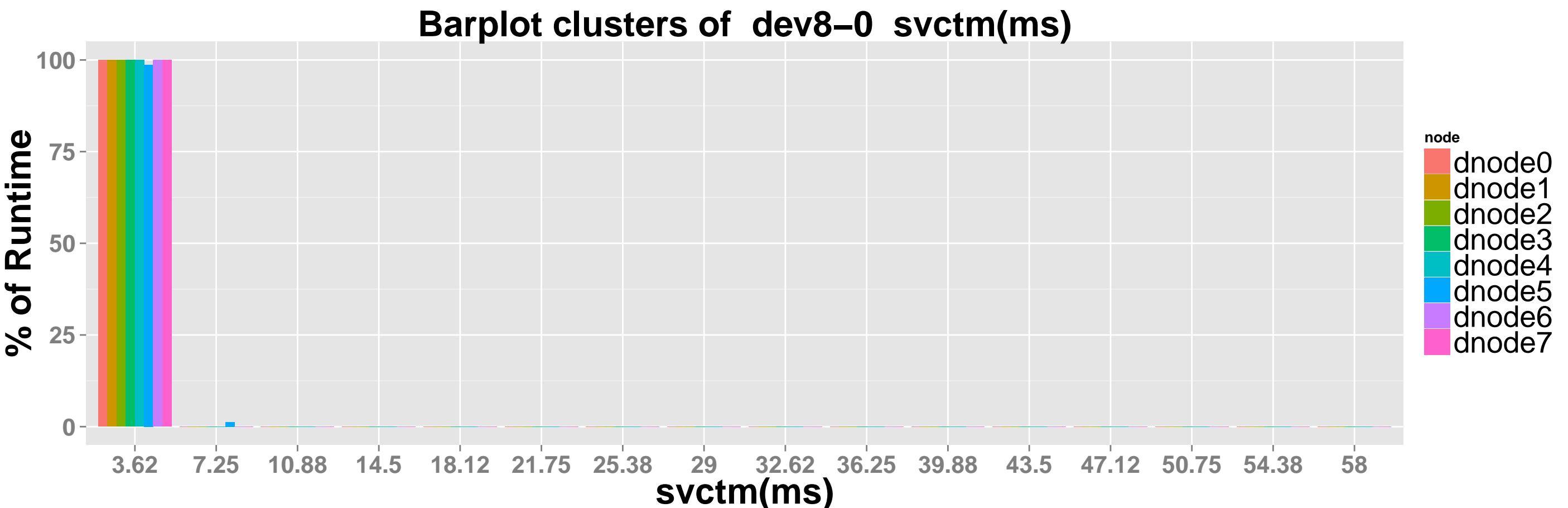
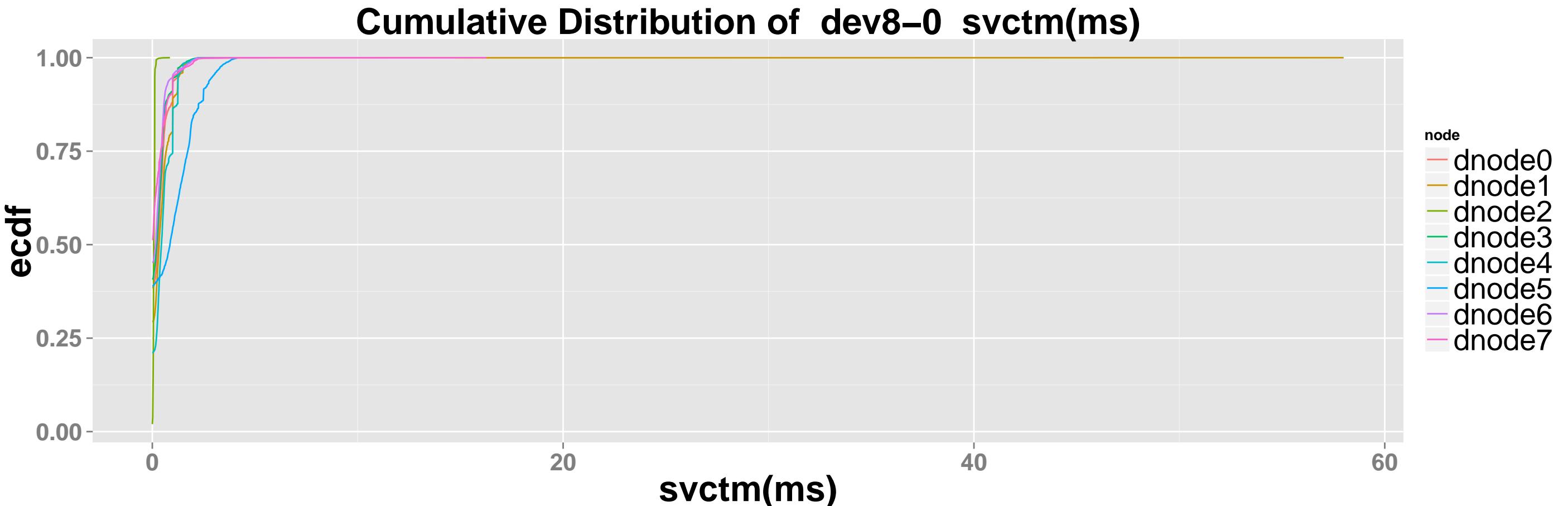
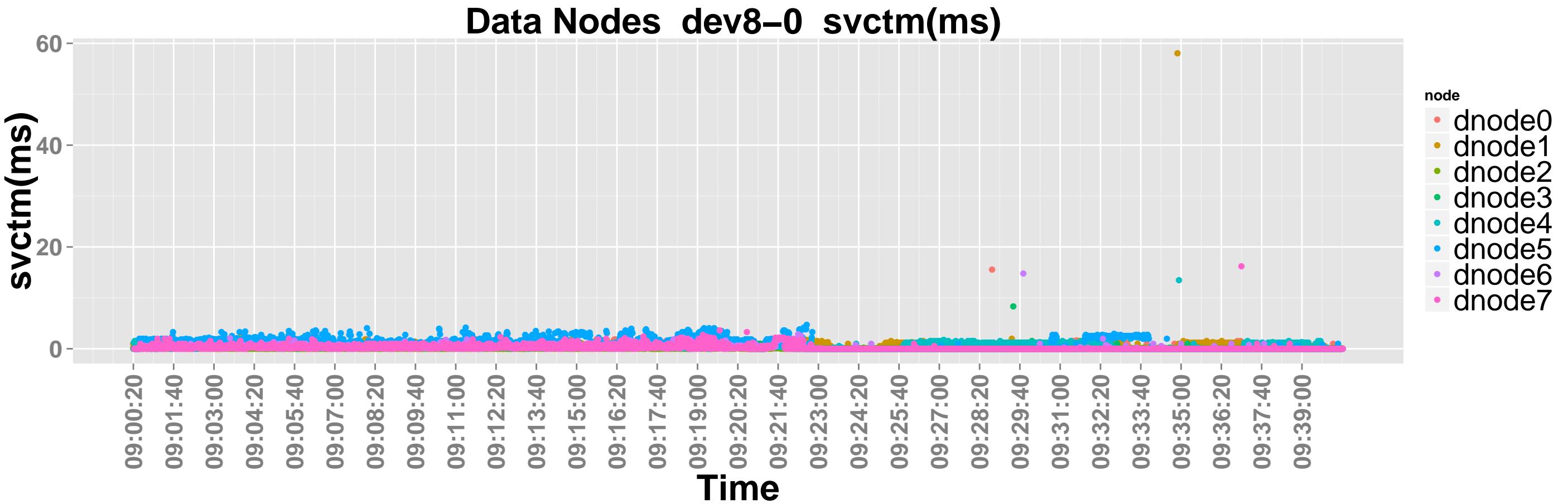


## Cumulative Distribution of dev8-0 Write(MB/s)

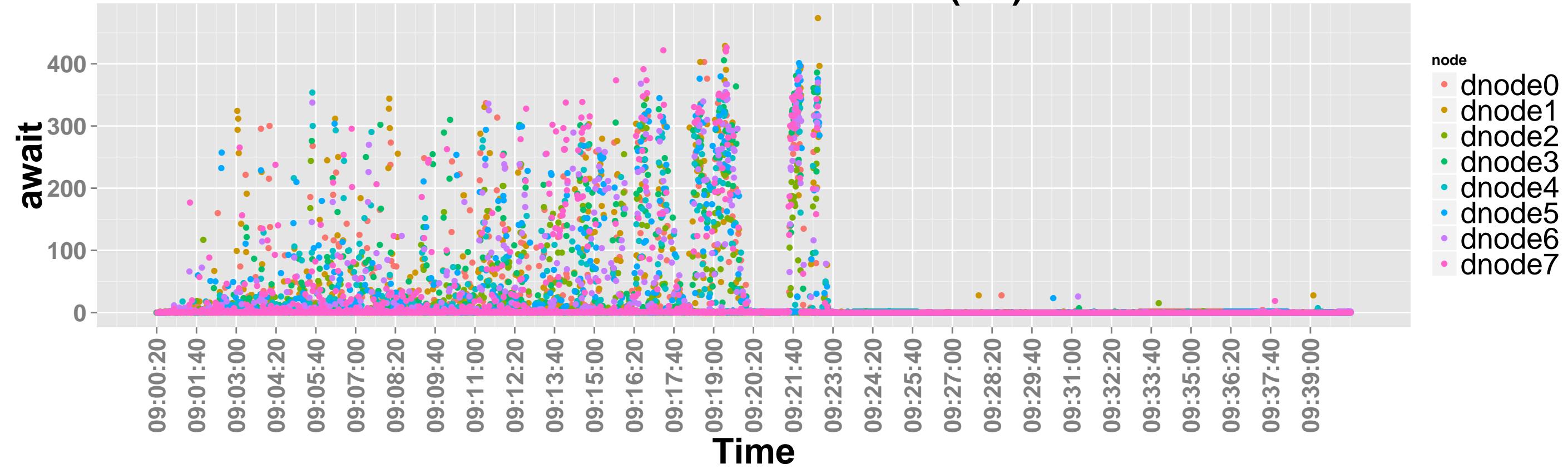


## Barplot clusters of dev8-0 Write(MB/s)

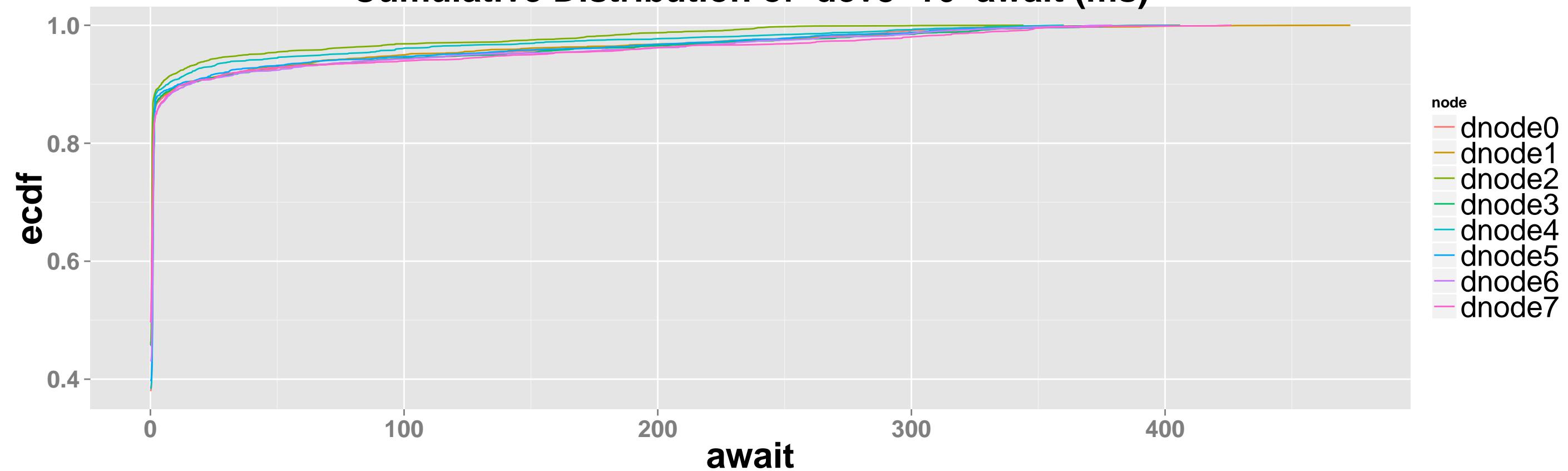




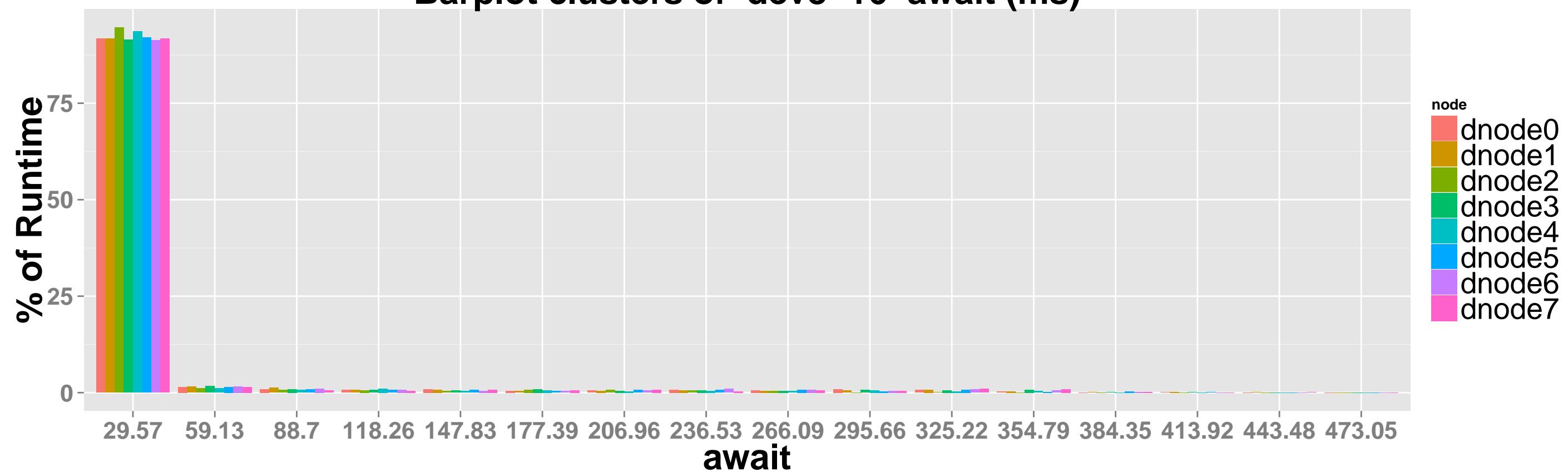
## Data Nodes dev8-16 await (ms)



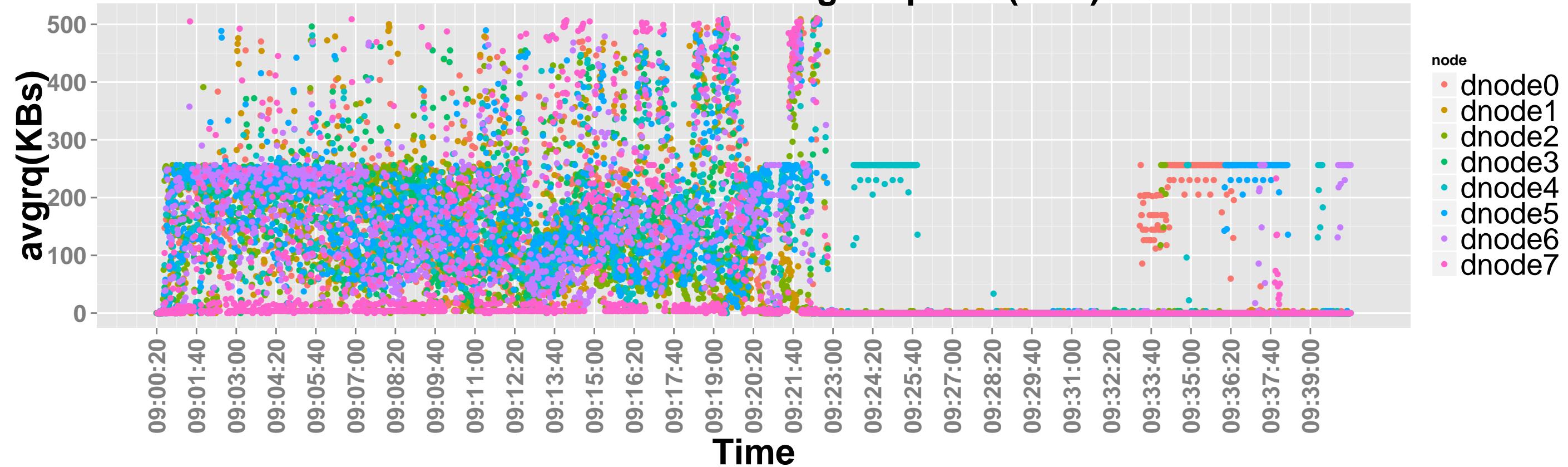
## Cumulative Distribution of dev8-16 await (ms)



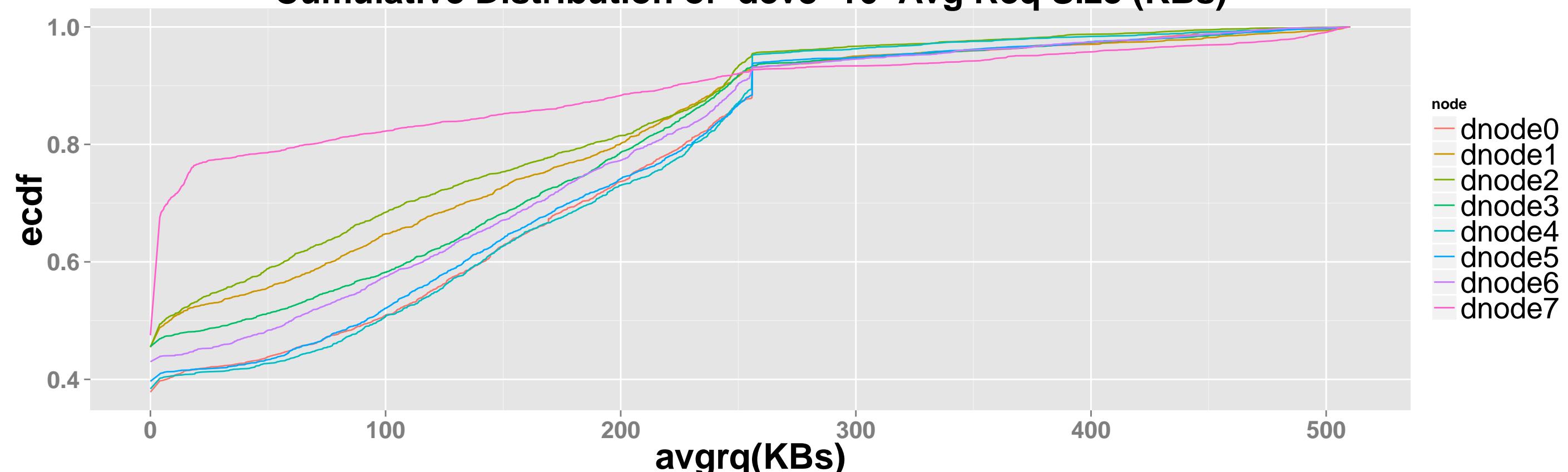
## Barplot clusters of dev8-16 await (ms)



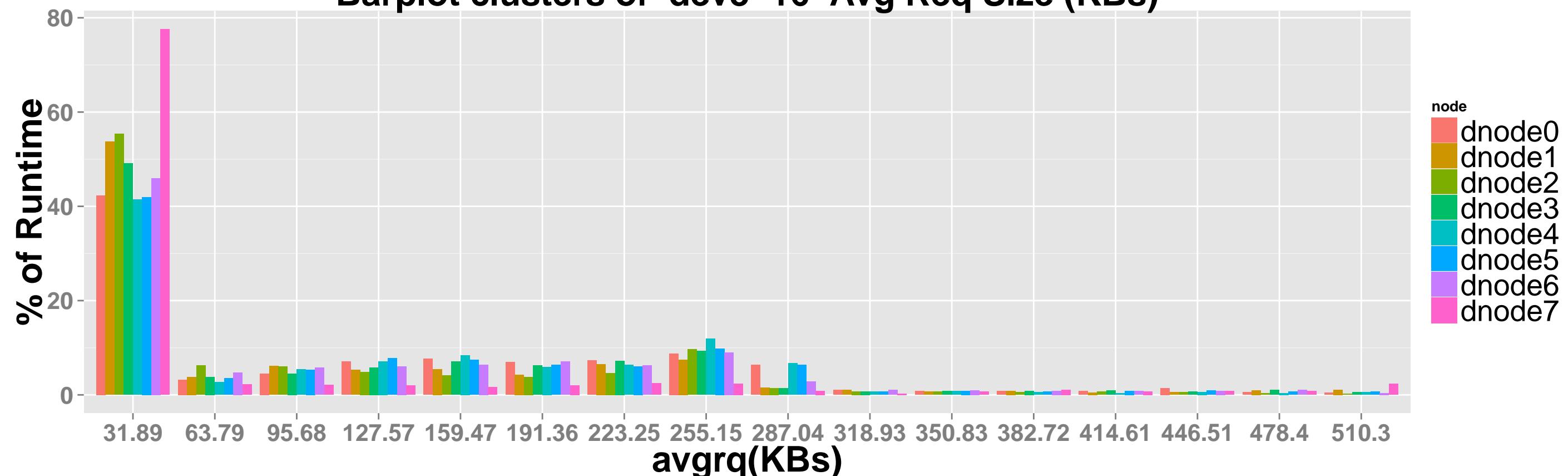
## Data Nodes dev8-16 Avg Req Size (KBs)

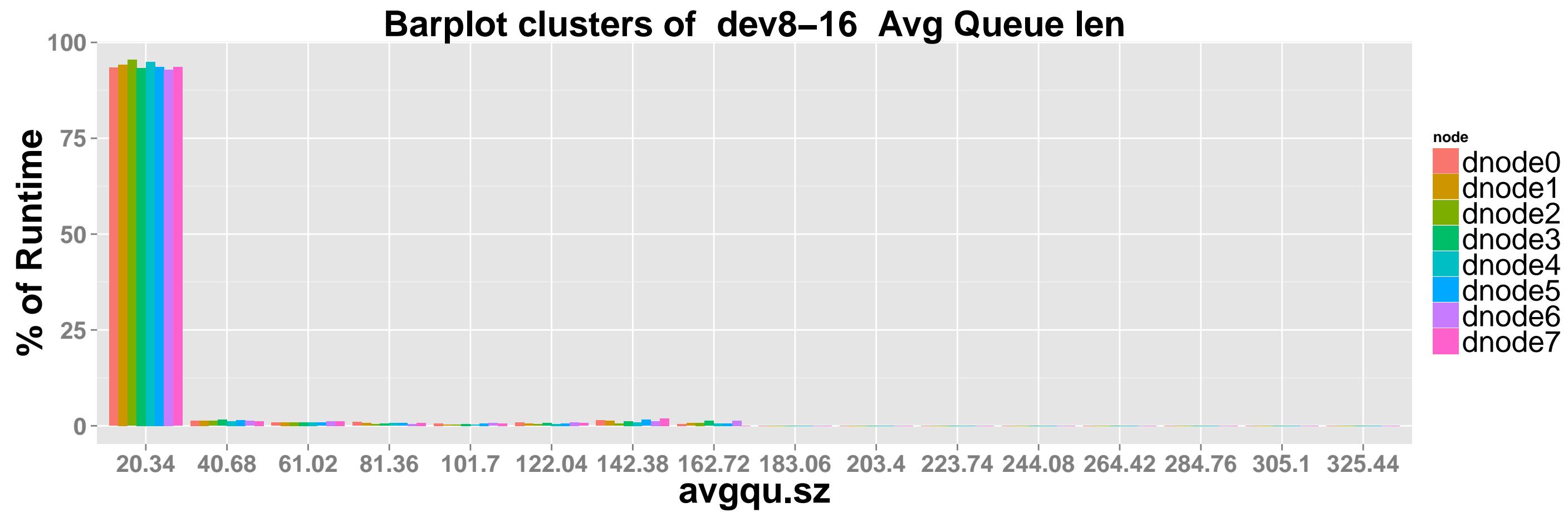
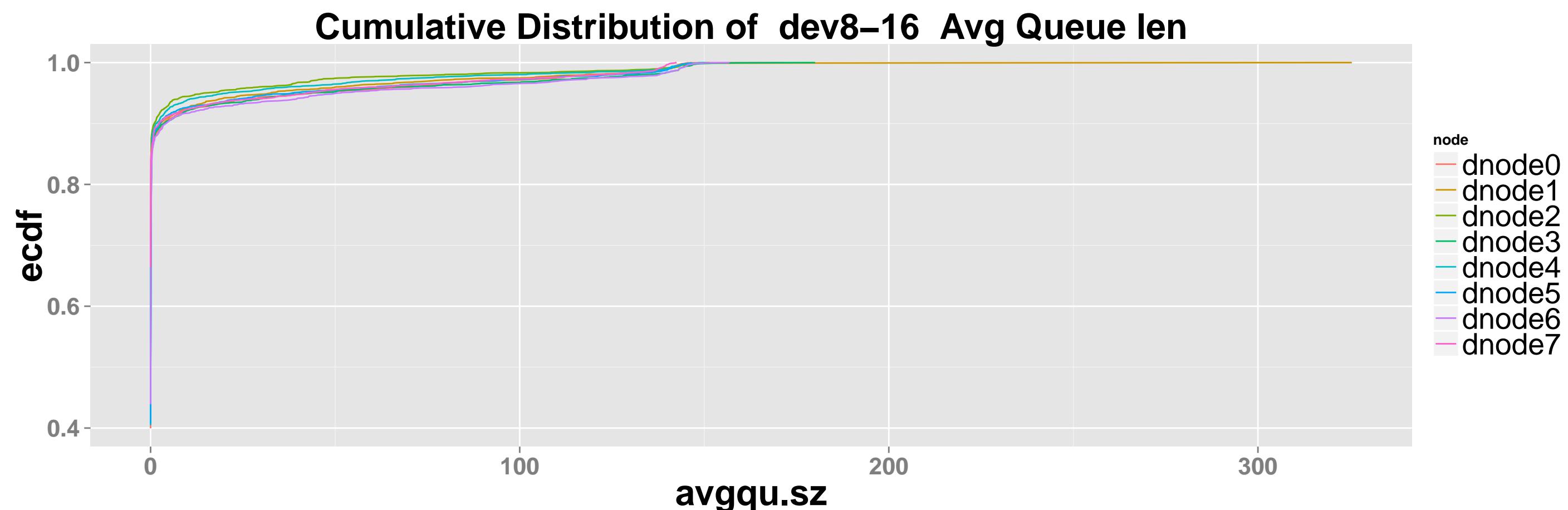
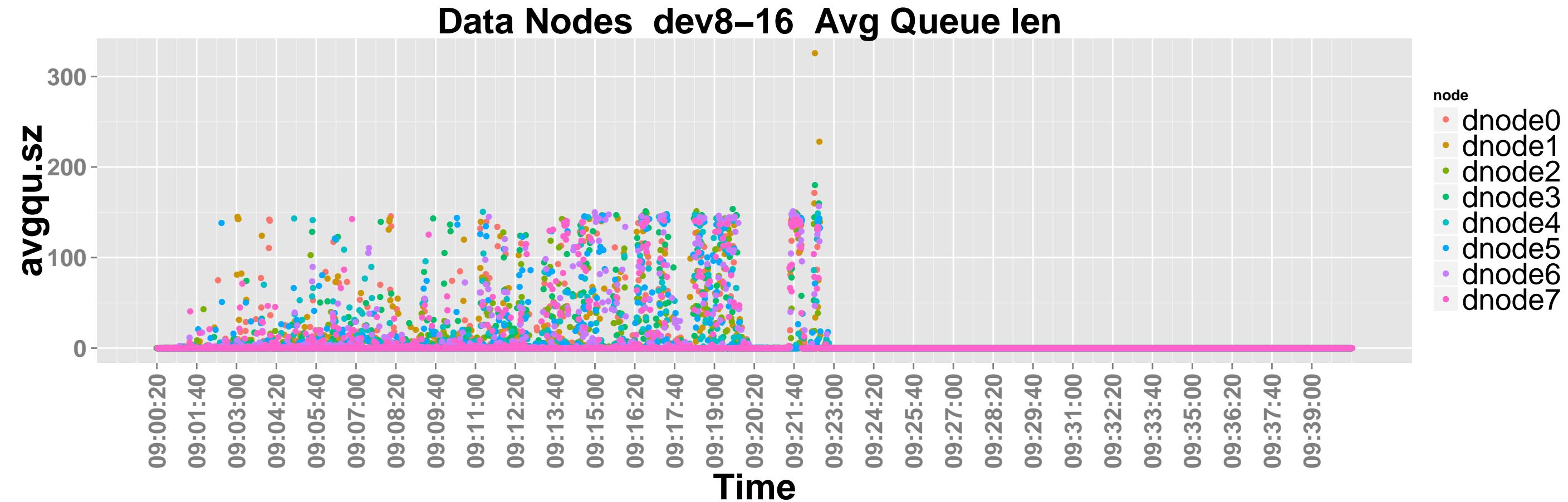


## Cumulative Distribution of dev8-16 Avg Req Size (KBs)

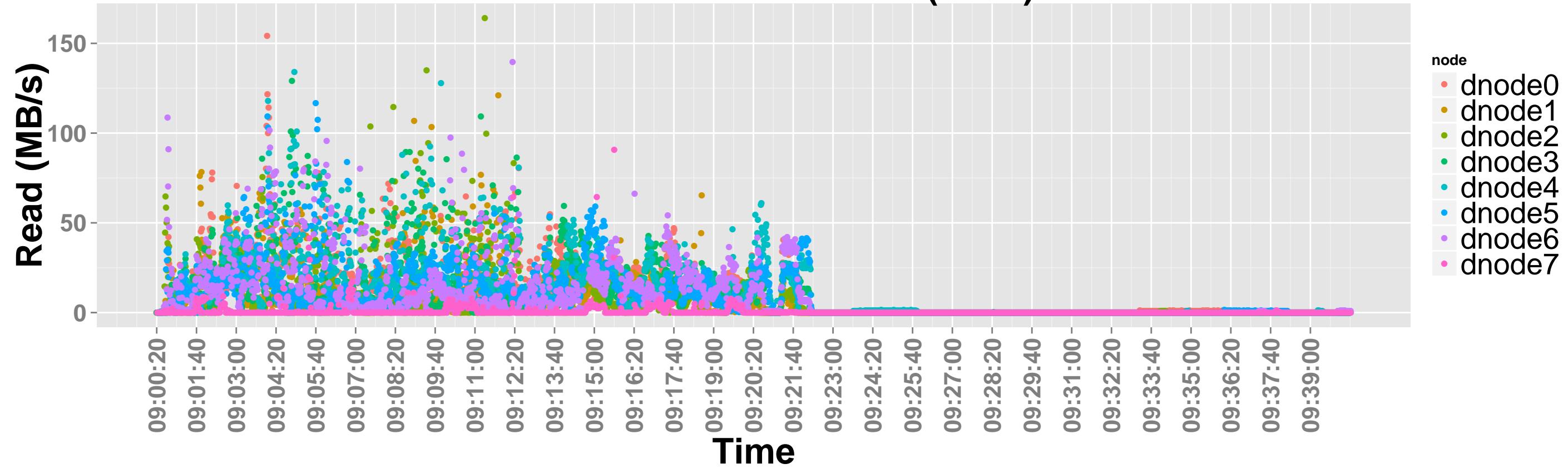


## Barplot clusters of dev8-16 Avg Req Size (KBs)

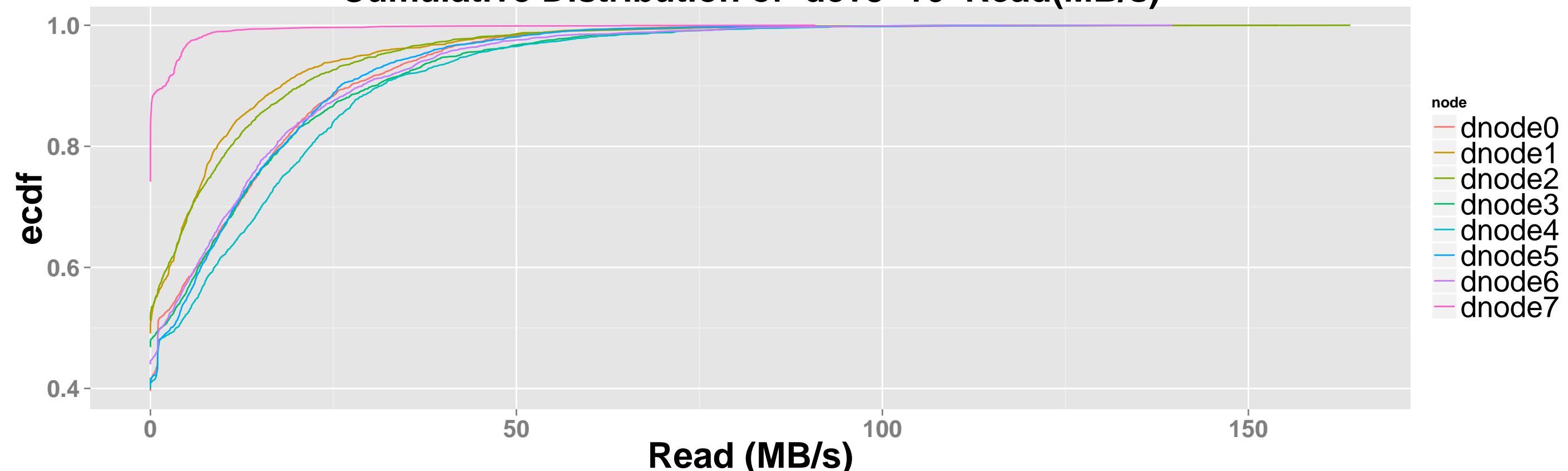




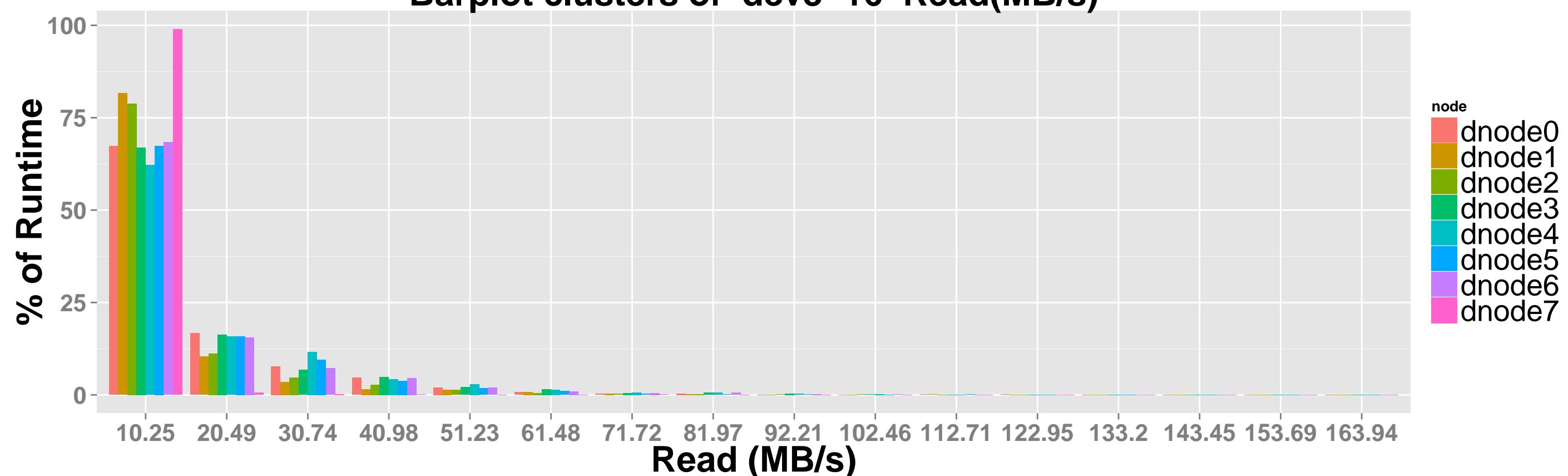
## Data Nodes dev8-16 Read(MB/s)



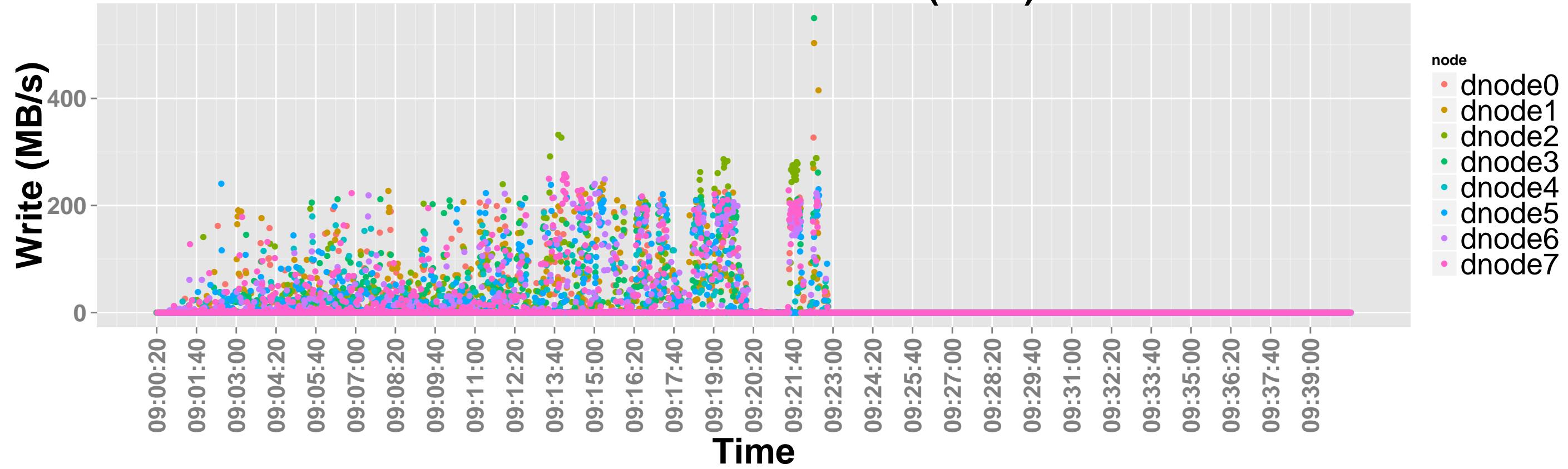
## Cumulative Distribution of dev8-16 Read(MB/s)



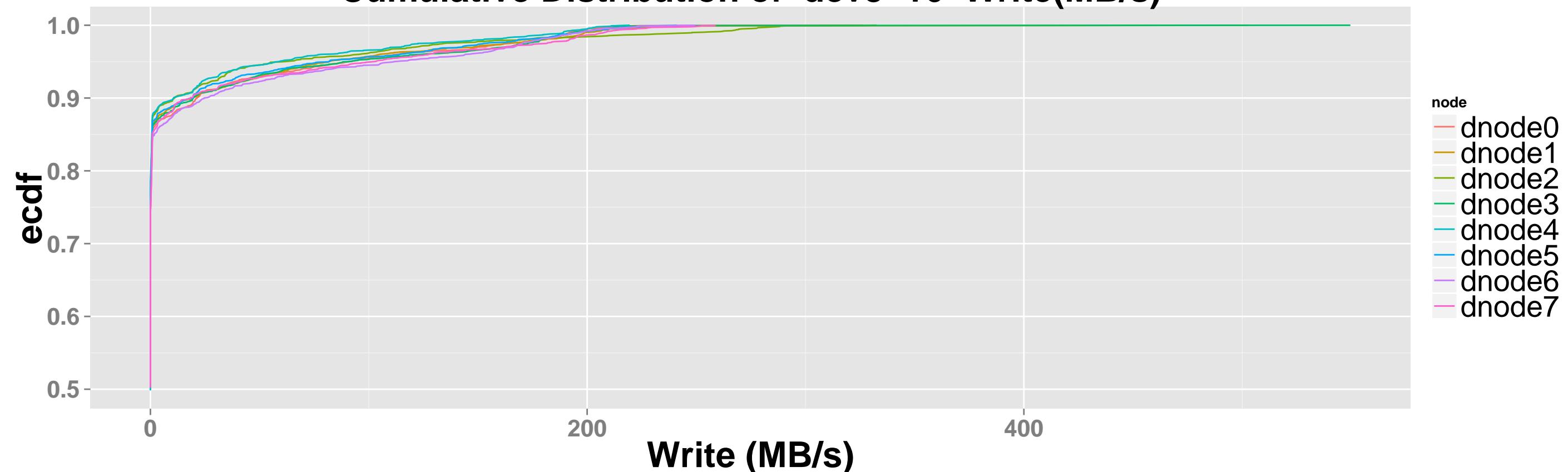
## Barplot clusters of dev8-16 Read(MB/s)



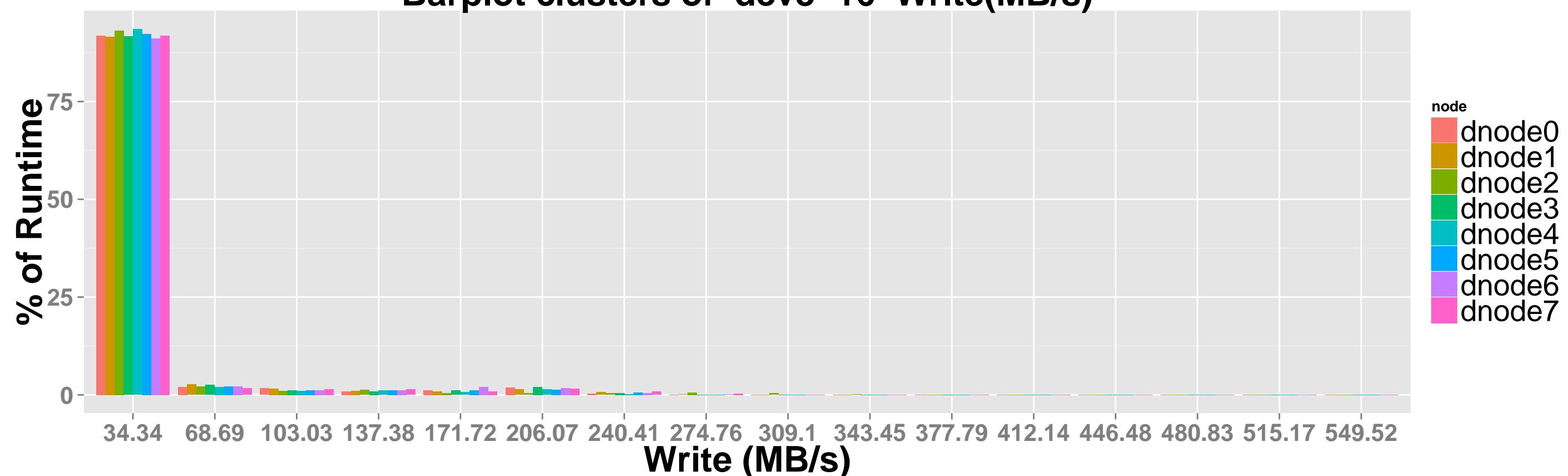
## Data Nodes dev8-16 Write(MB/s)



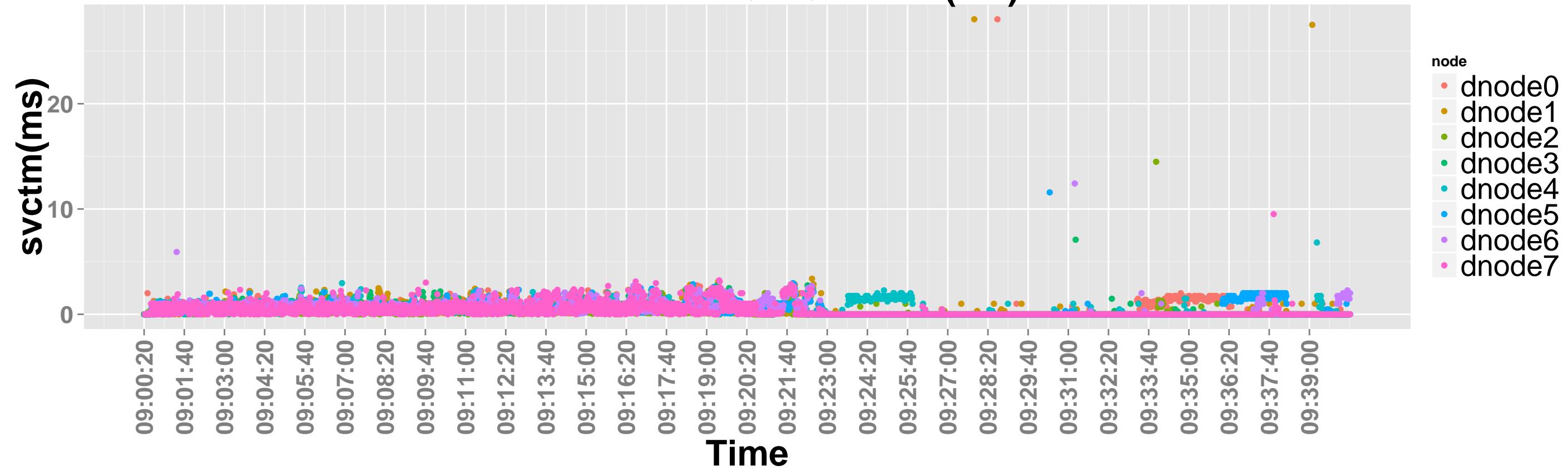
## Cumulative Distribution of dev8-16 Write(MB/s)



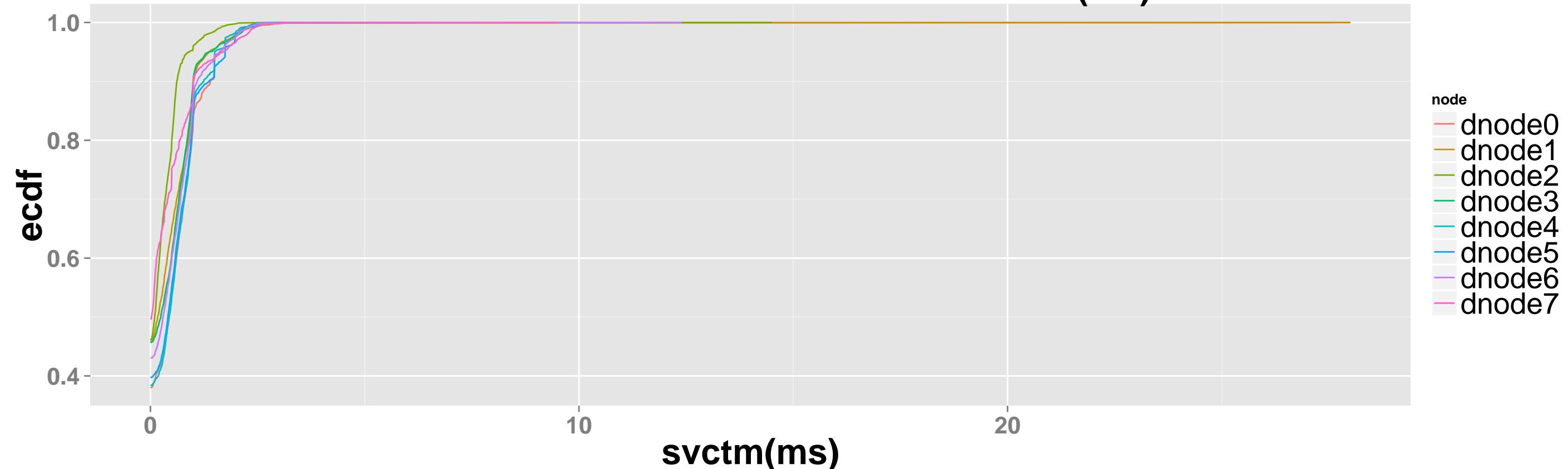
## Barplot clusters of dev8-16 Write(MB/s)



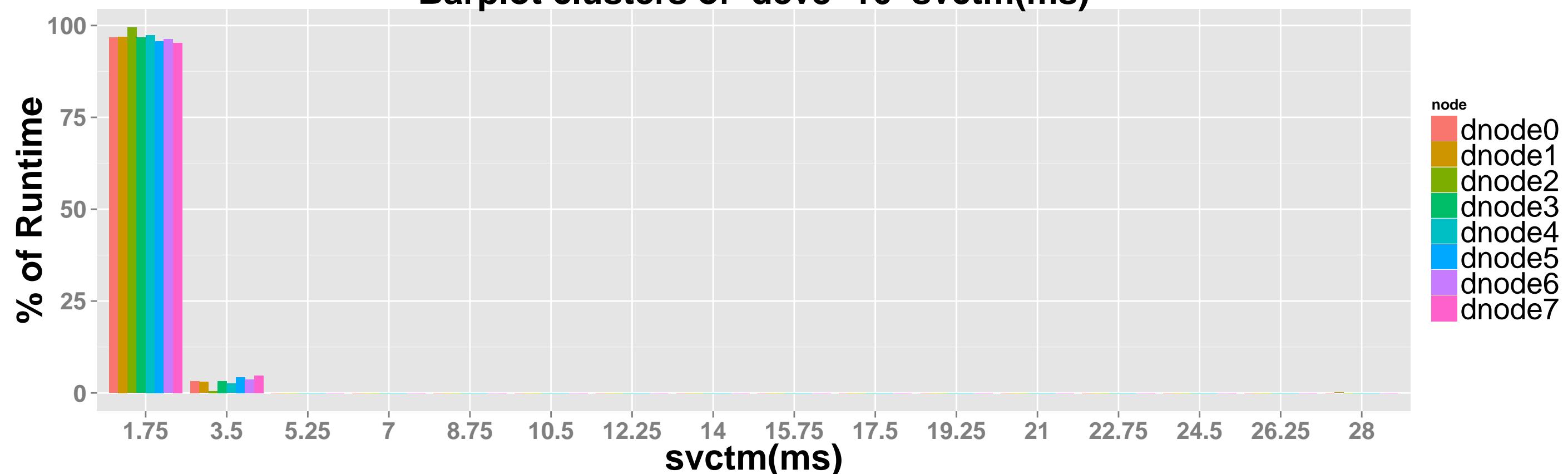
## Data Nodes dev8-16 svctm(ms)



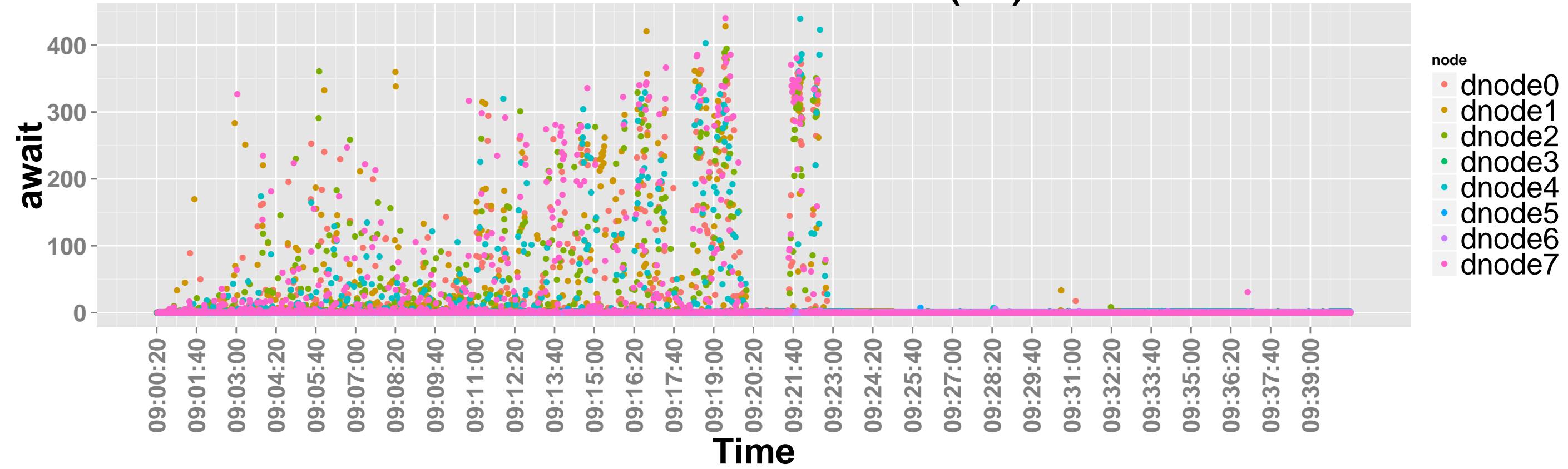
## Cumulative Distribution of dev8-16 svctm(ms)



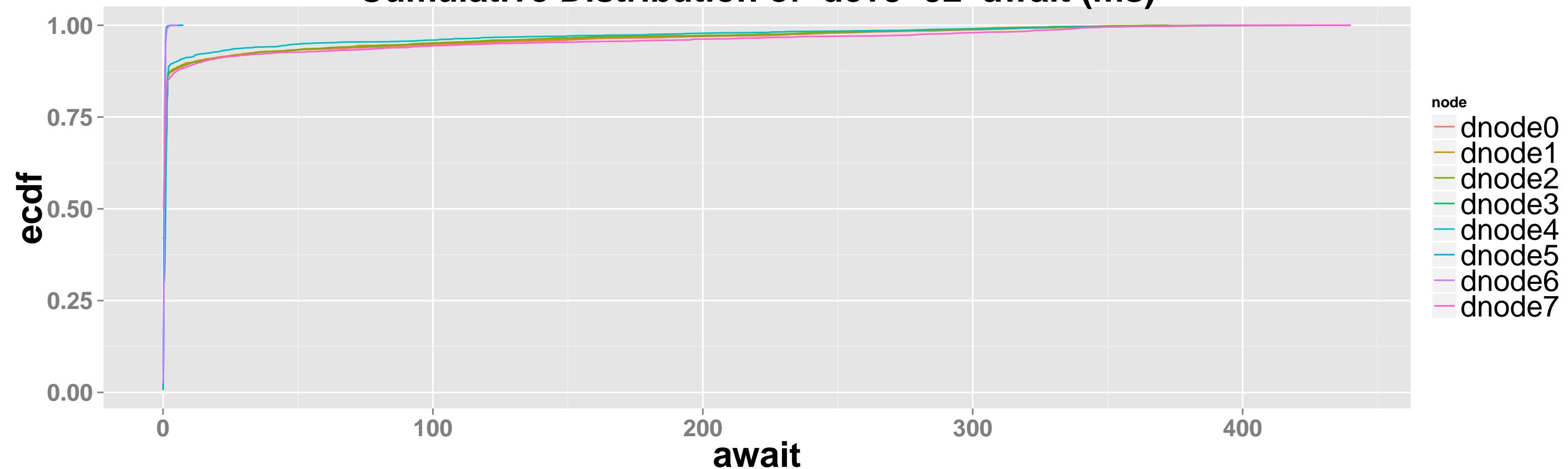
## Barplot clusters of dev8-16 svctm(ms)



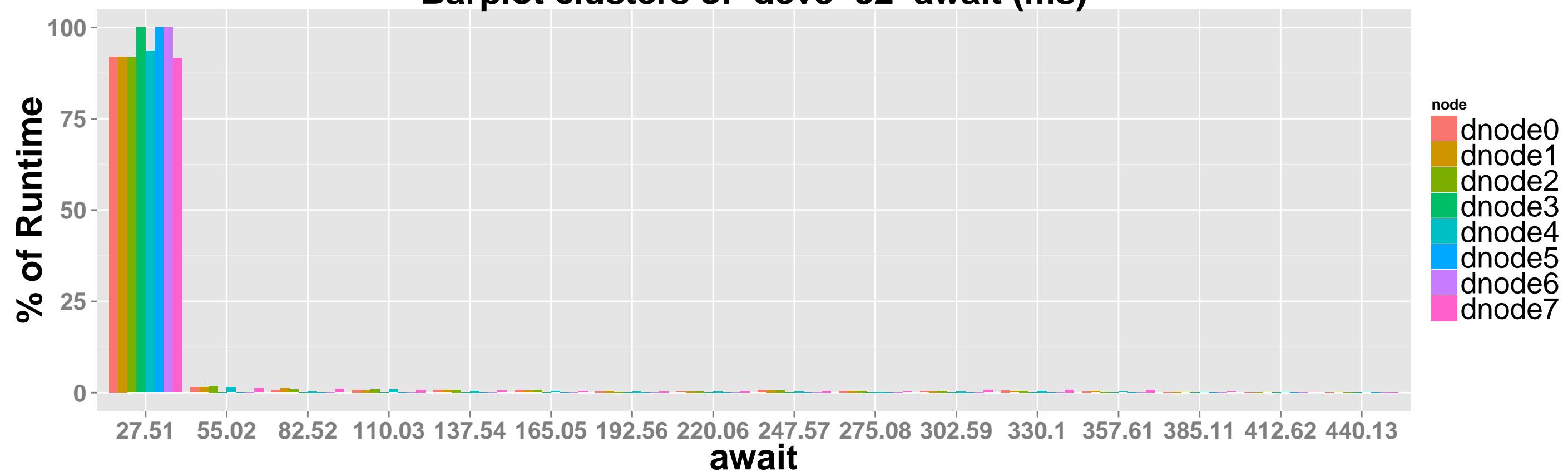
## Data Nodes dev8-32 await (ms)



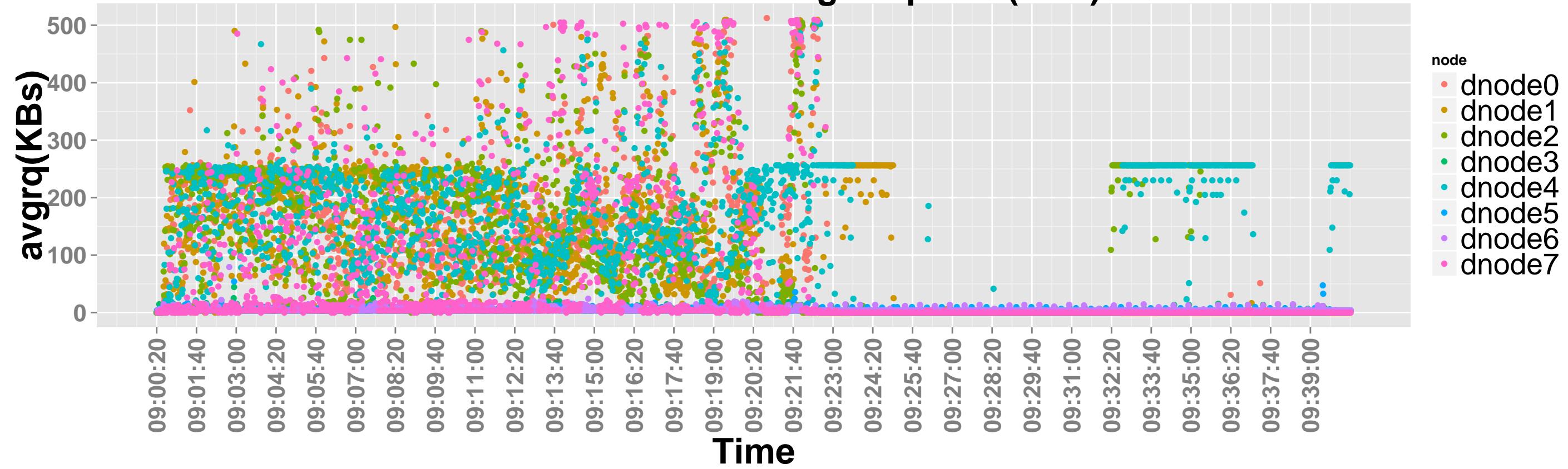
## Cumulative Distribution of dev8-32 await (ms)



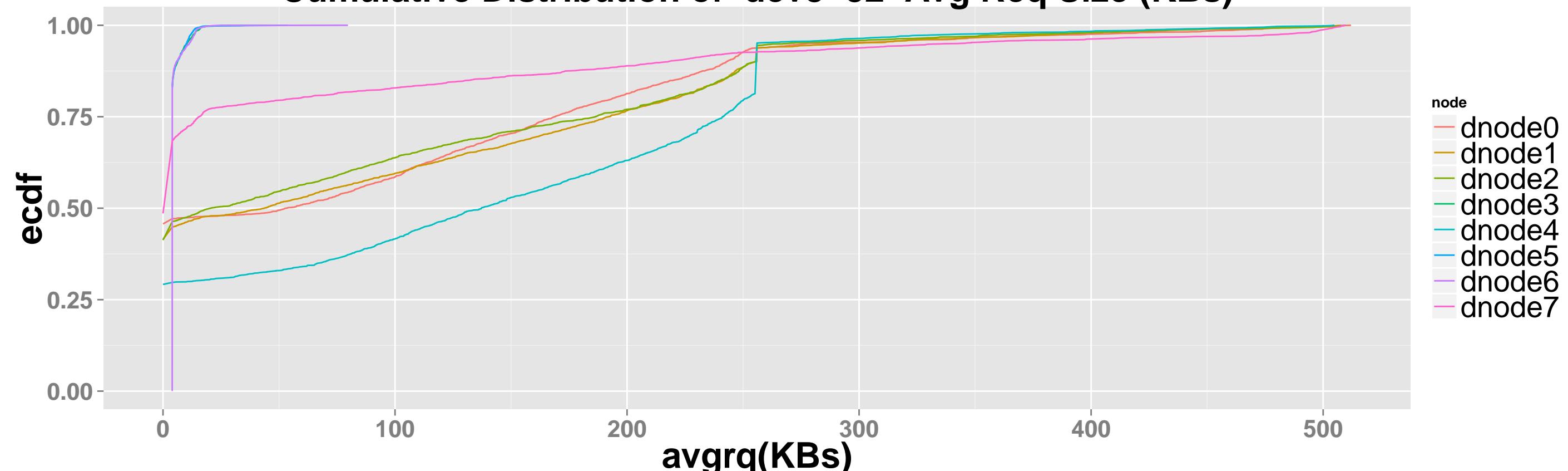
## Barplot clusters of dev8-32 await (ms)



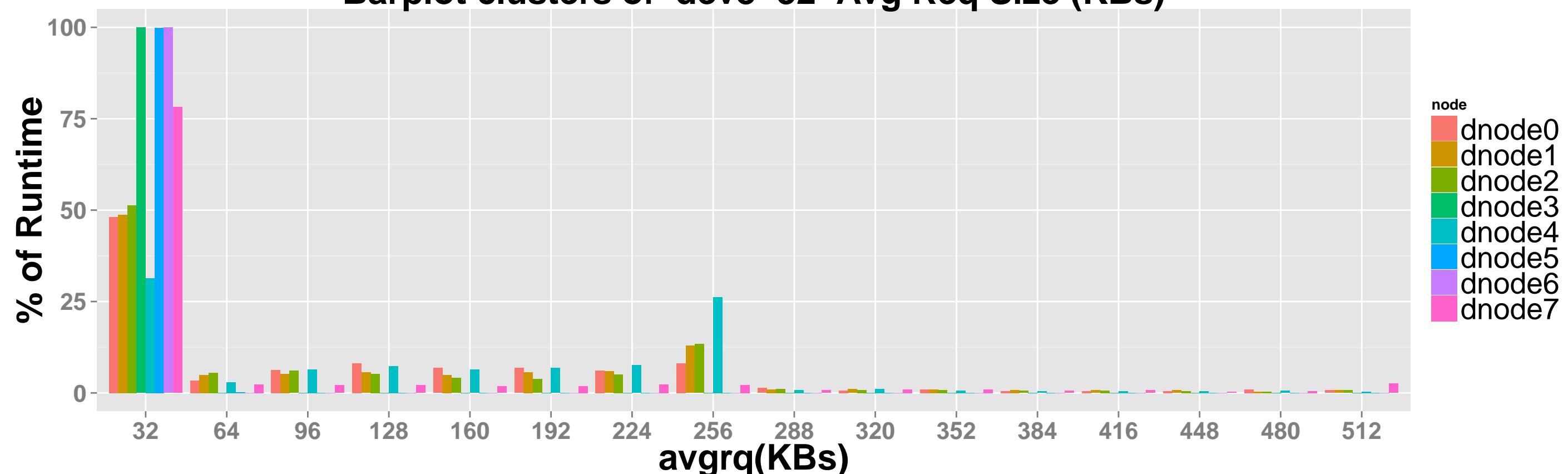
## Data Nodes dev8-32 Avg Req Size (KBs)



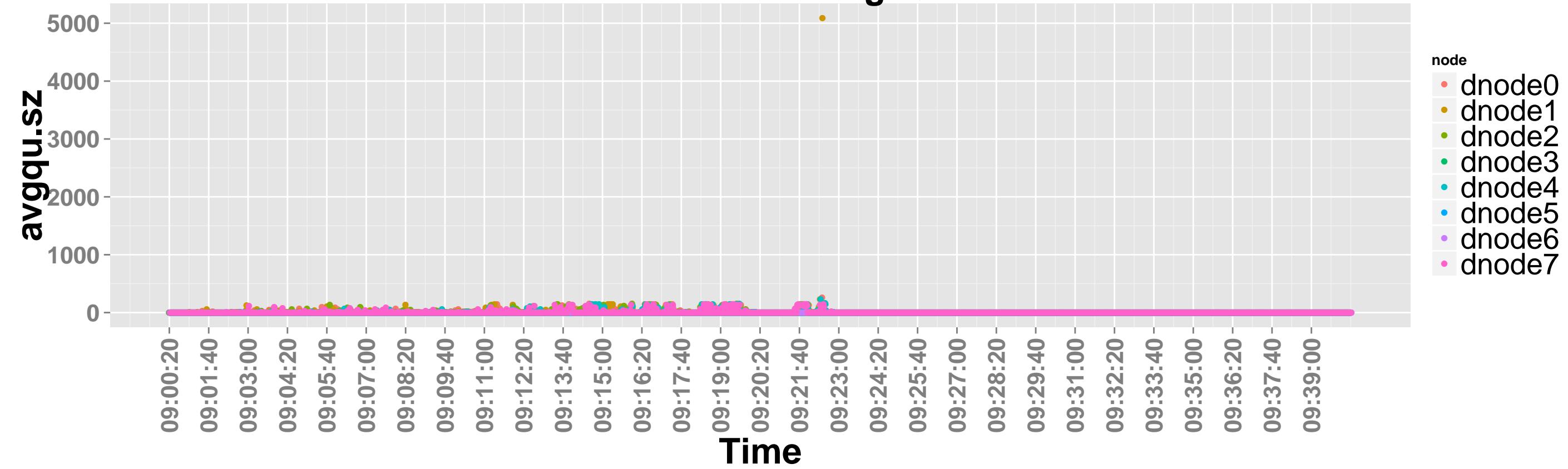
## Cumulative Distribution of dev8-32 Avg Req Size (KBs)



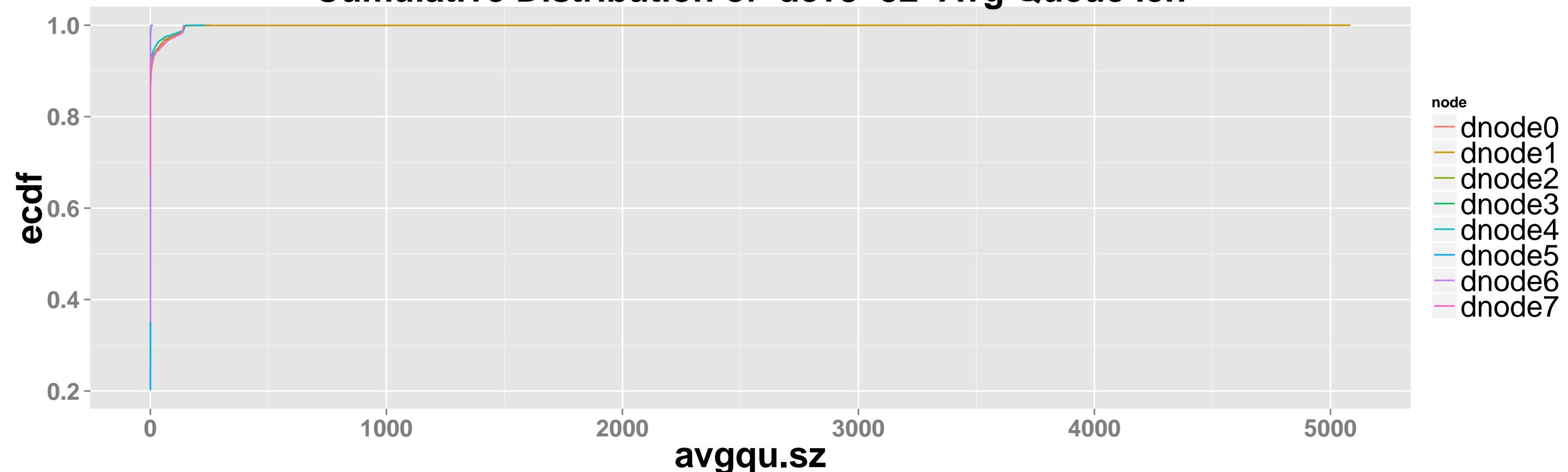
## Barplot clusters of dev8-32 Avg Req Size (KBs)



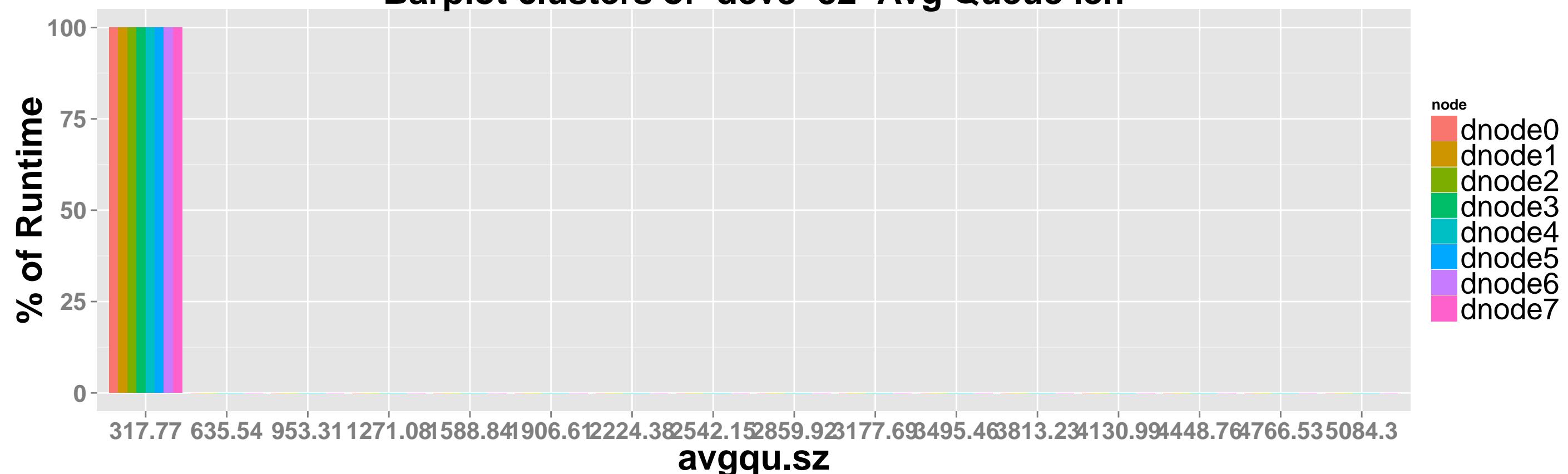
## Data Nodes dev8-32 Avg Queue len



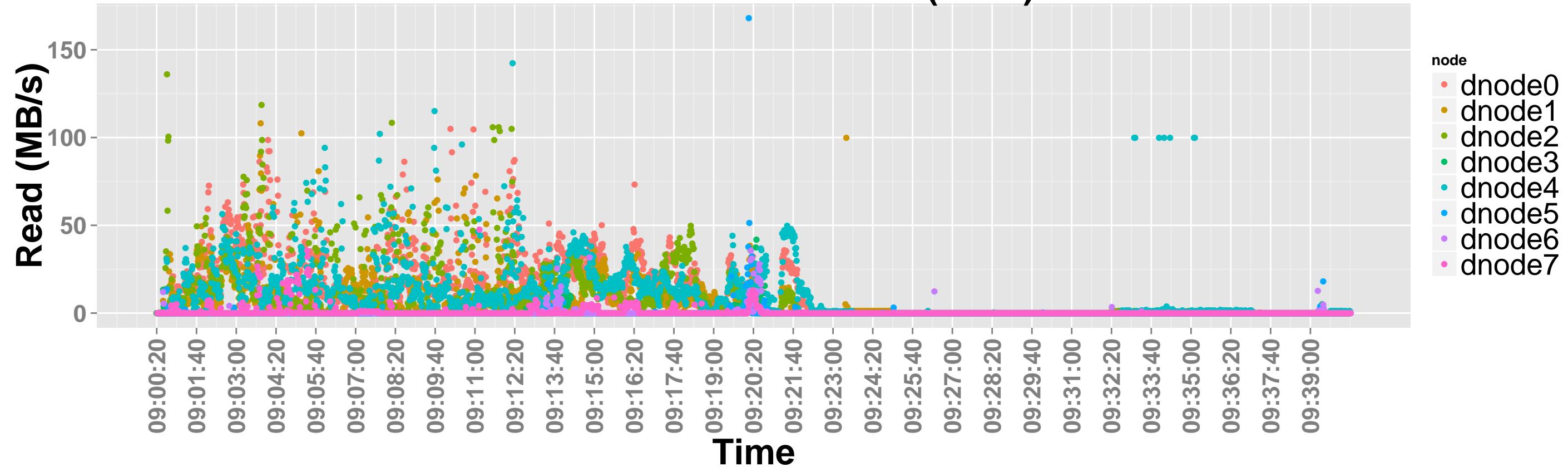
## Cumulative Distribution of dev8-32 Avg Queue len



## Barplot clusters of dev8-32 Avg Queue len



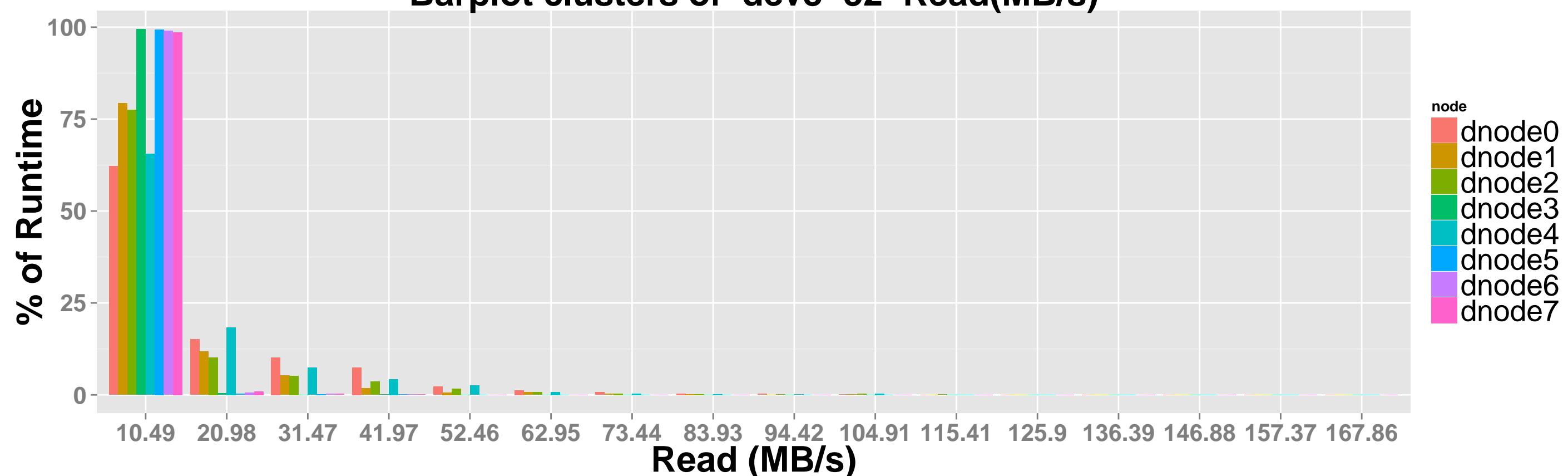
## Data Nodes dev8-32 Read(MB/s)



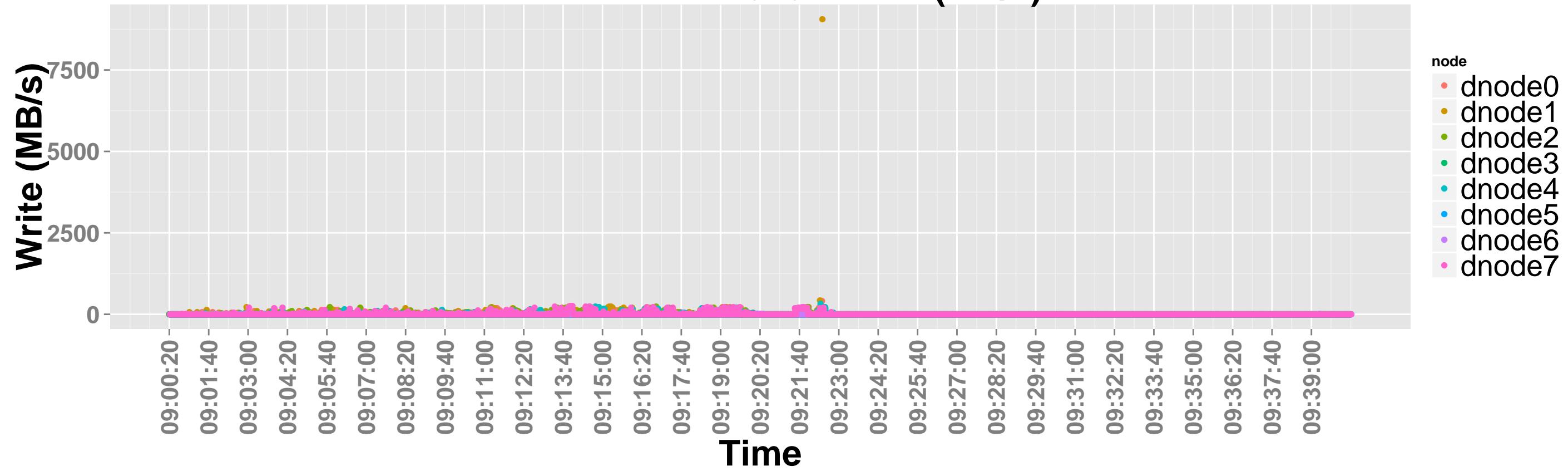
## Cumulative Distribution of dev8-32 Read(MB/s)



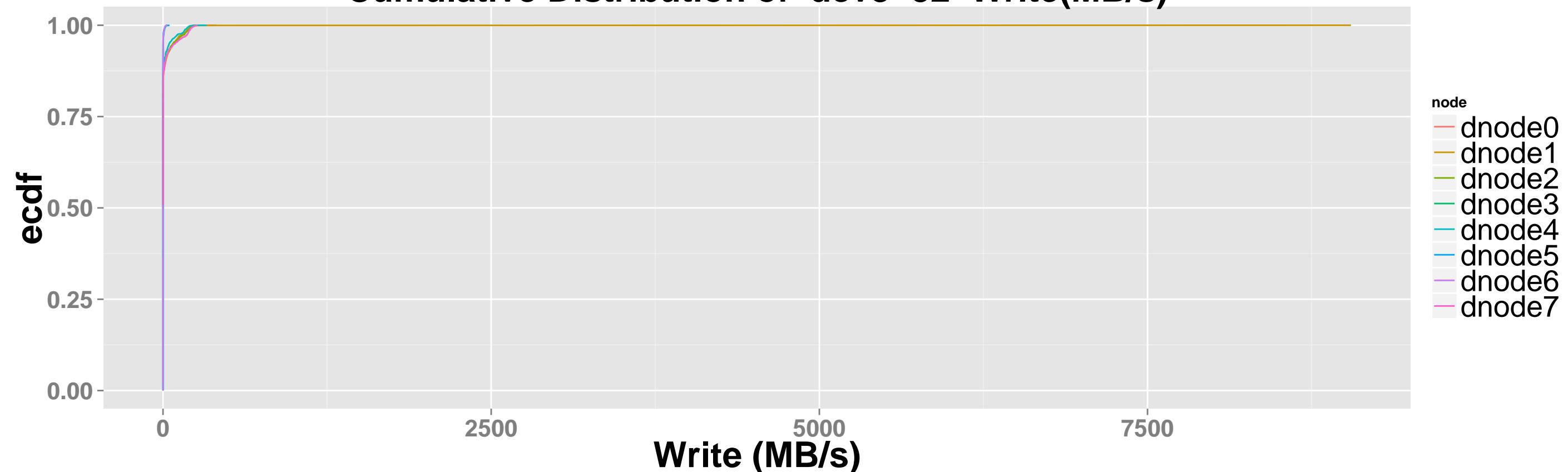
## Barplot clusters of dev8-32 Read(MB/s)



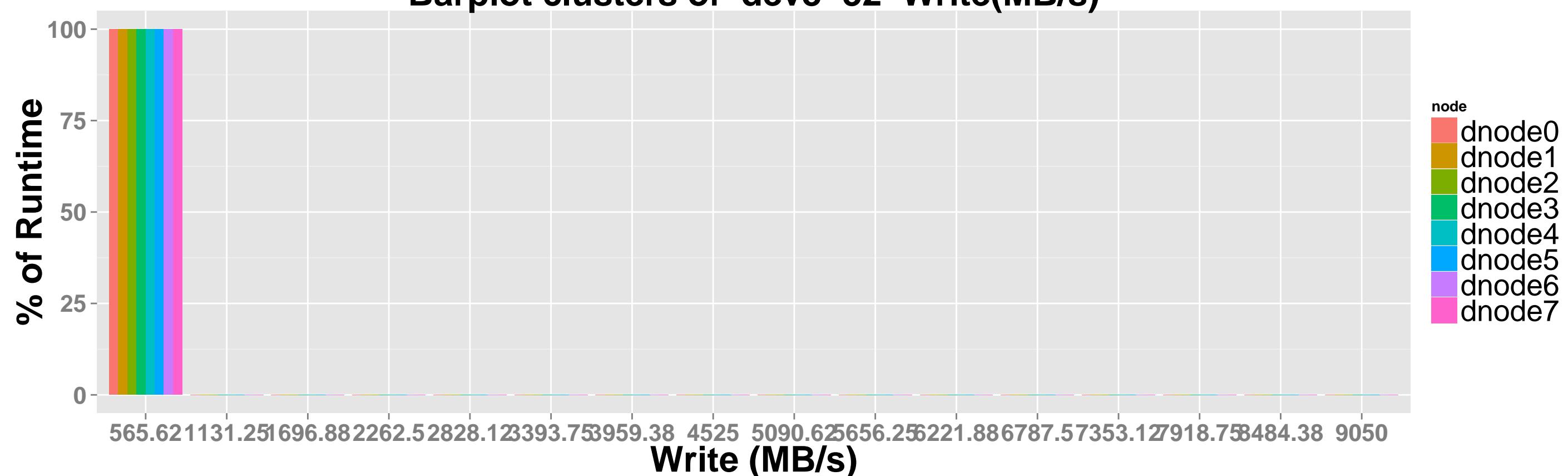
### Data Nodes dev8-32 Write(MB/s)



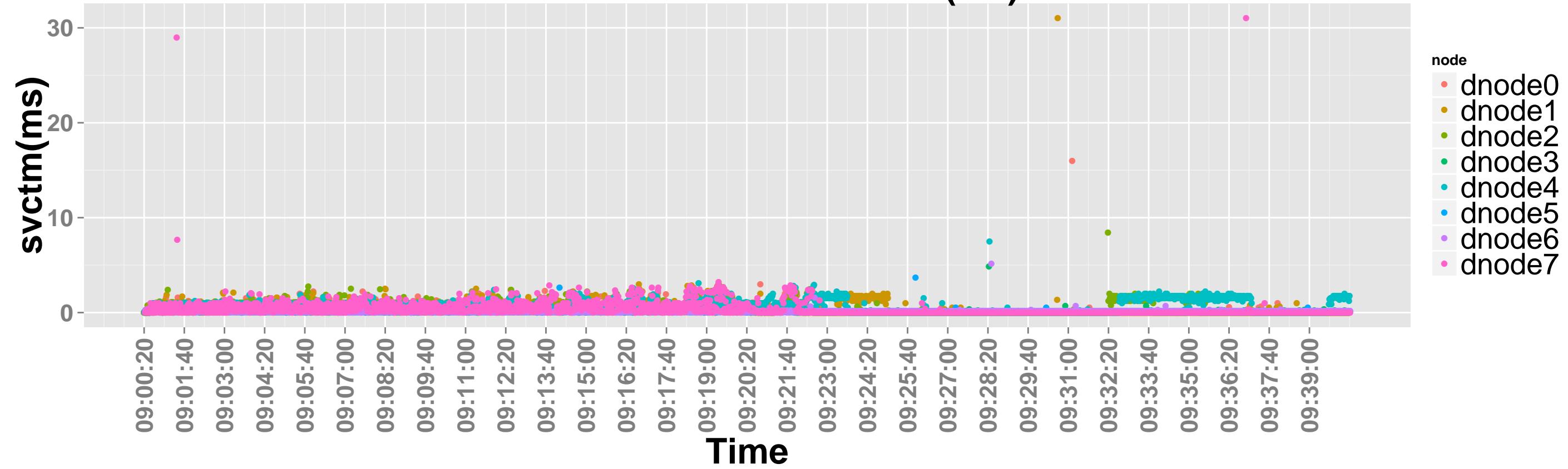
### Cumulative Distribution of dev8-32 Write(MB/s)



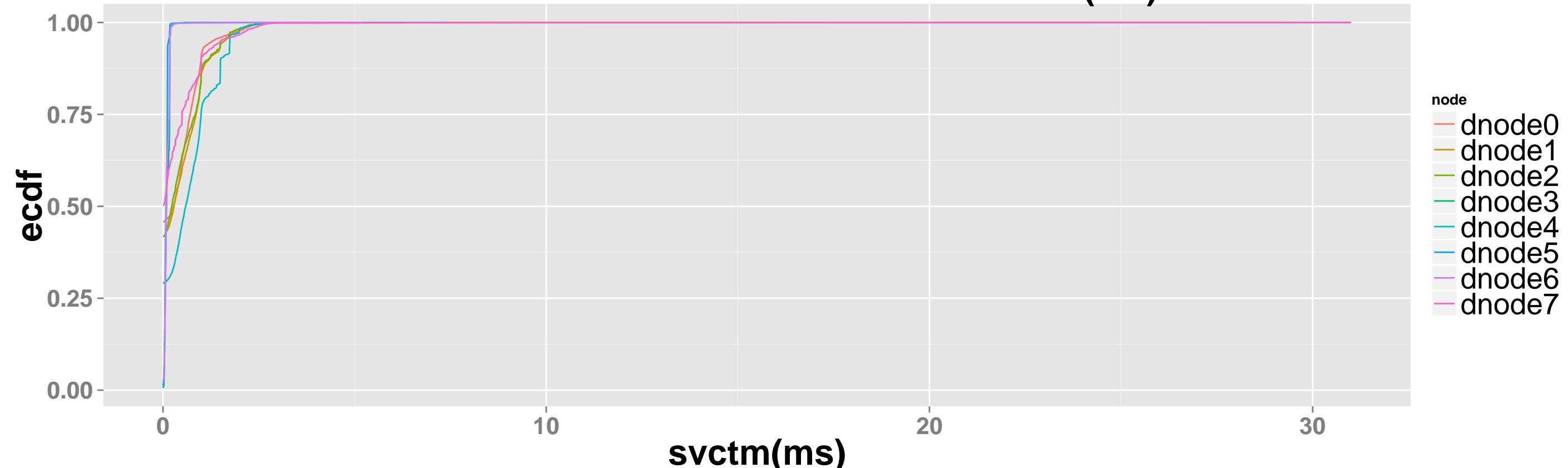
### Barplot clusters of dev8-32 Write(MB/s)



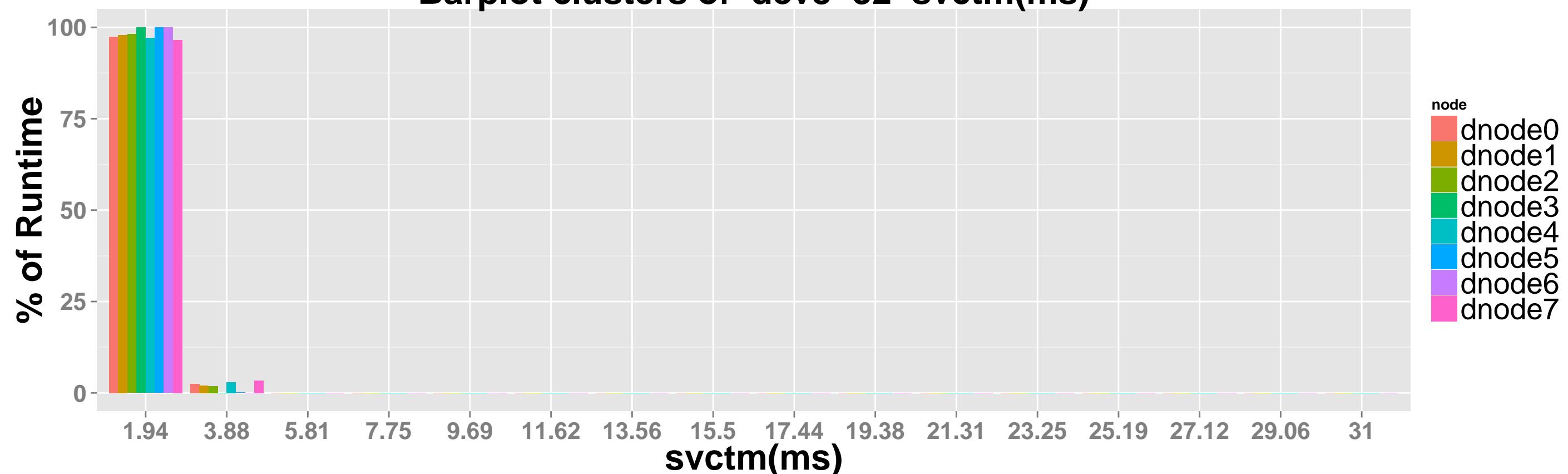
## Data Nodes dev8-32 svctm(ms)



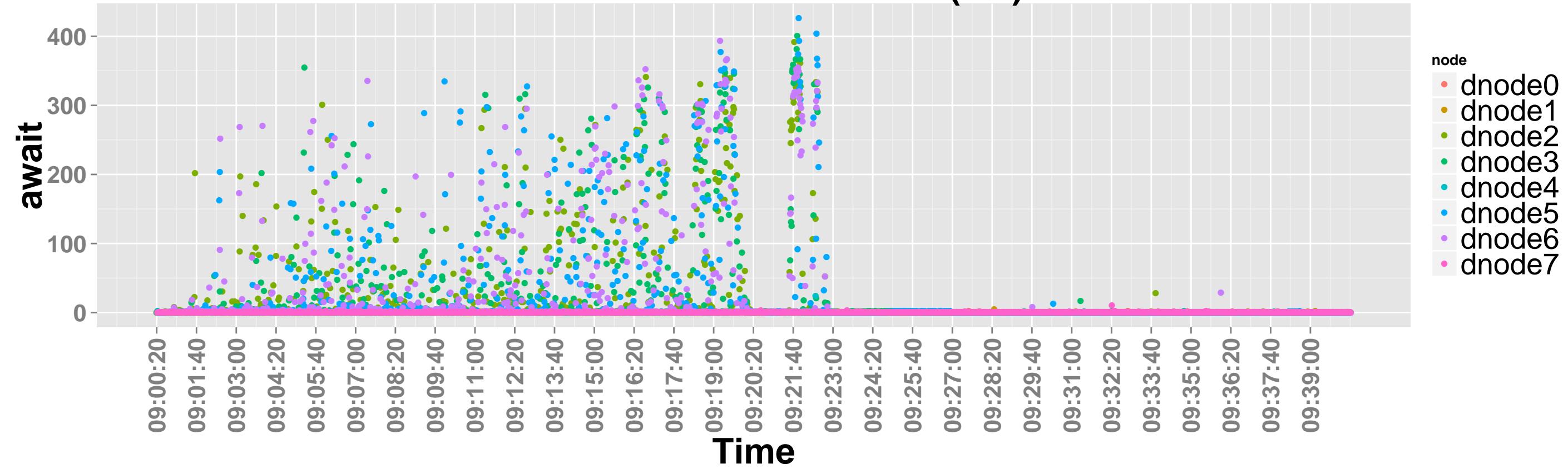
## Cumulative Distribution of dev8-32 svctm(ms)



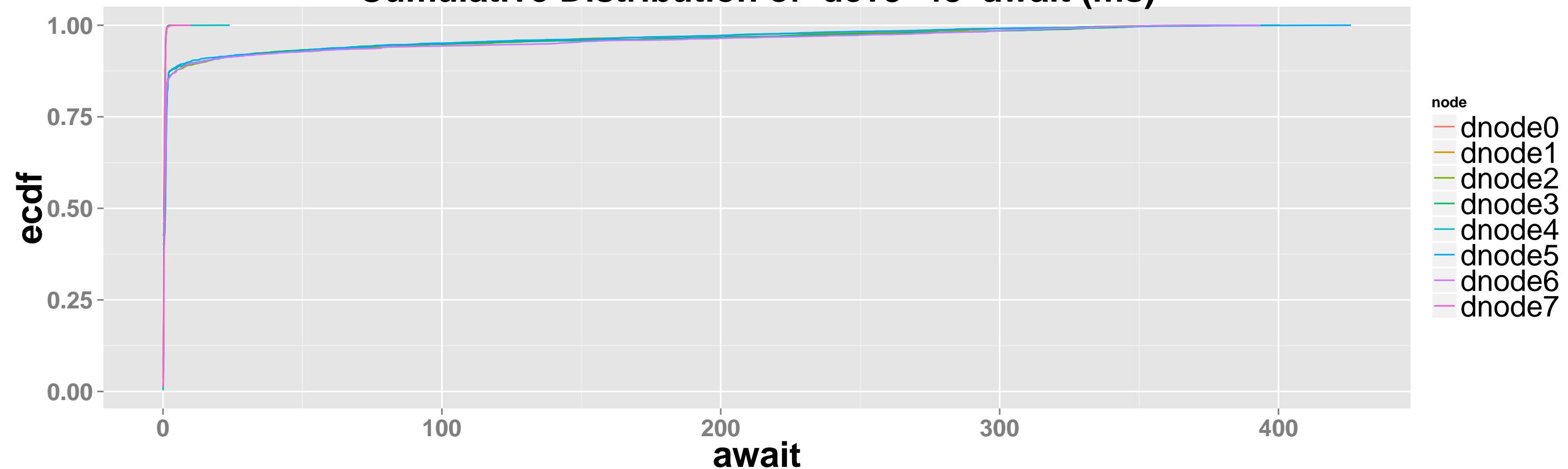
## Barplot clusters of dev8-32 svctm(ms)



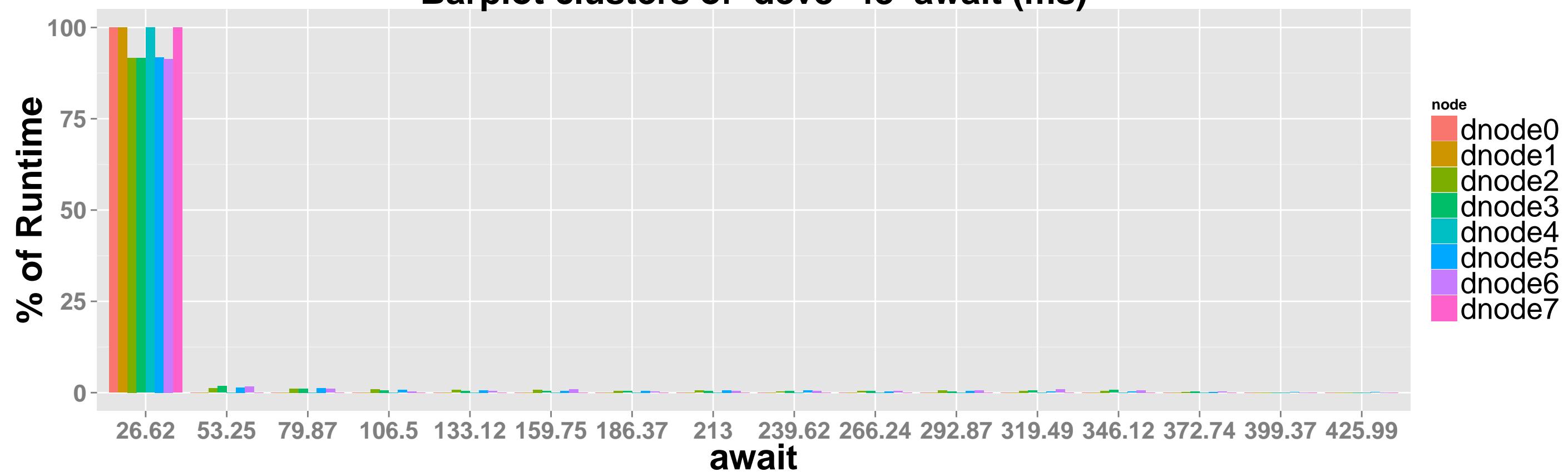
## Data Nodes dev8-48 await (ms)



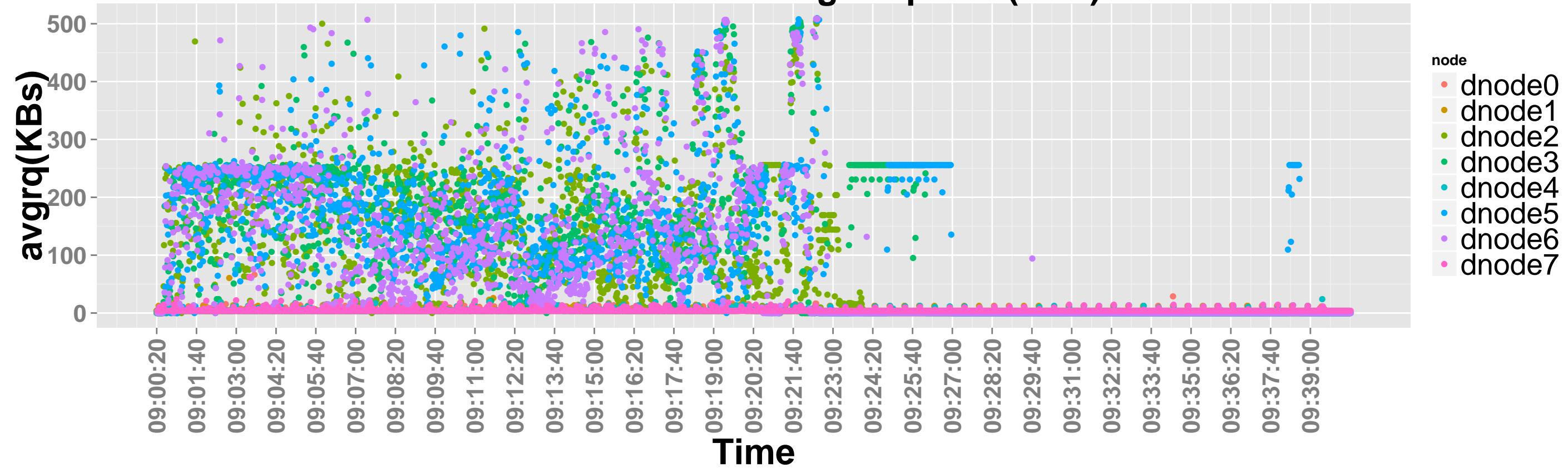
## Cumulative Distribution of dev8-48 await (ms)



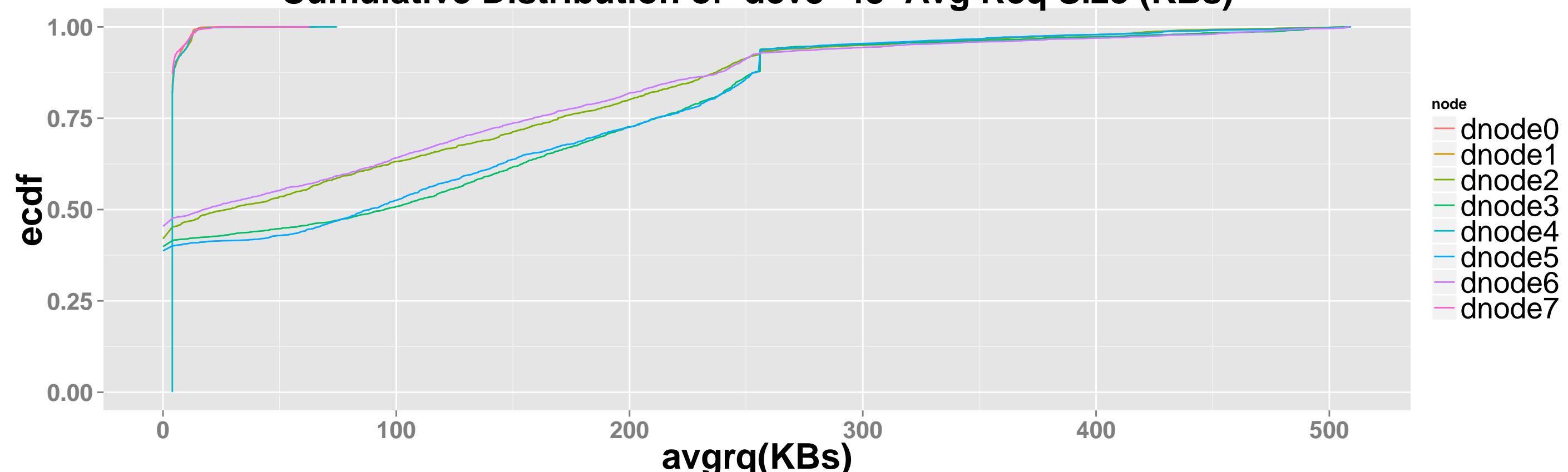
## Barplot clusters of dev8-48 await (ms)



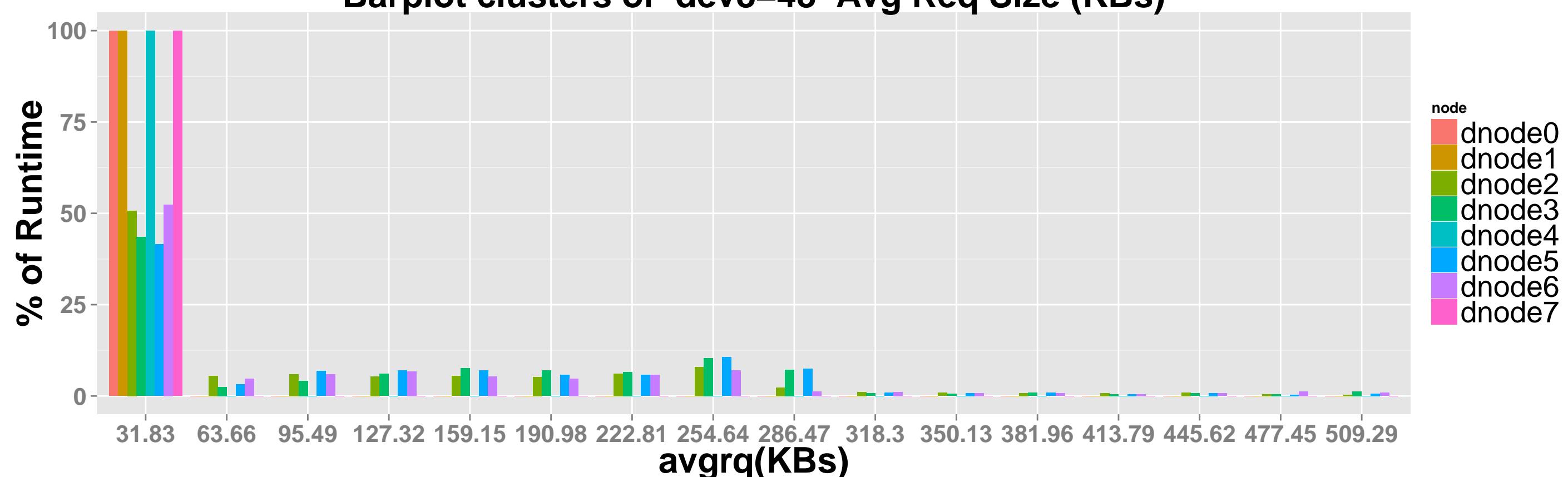
## Data Nodes dev8-48 Avg Req Size (KBs)



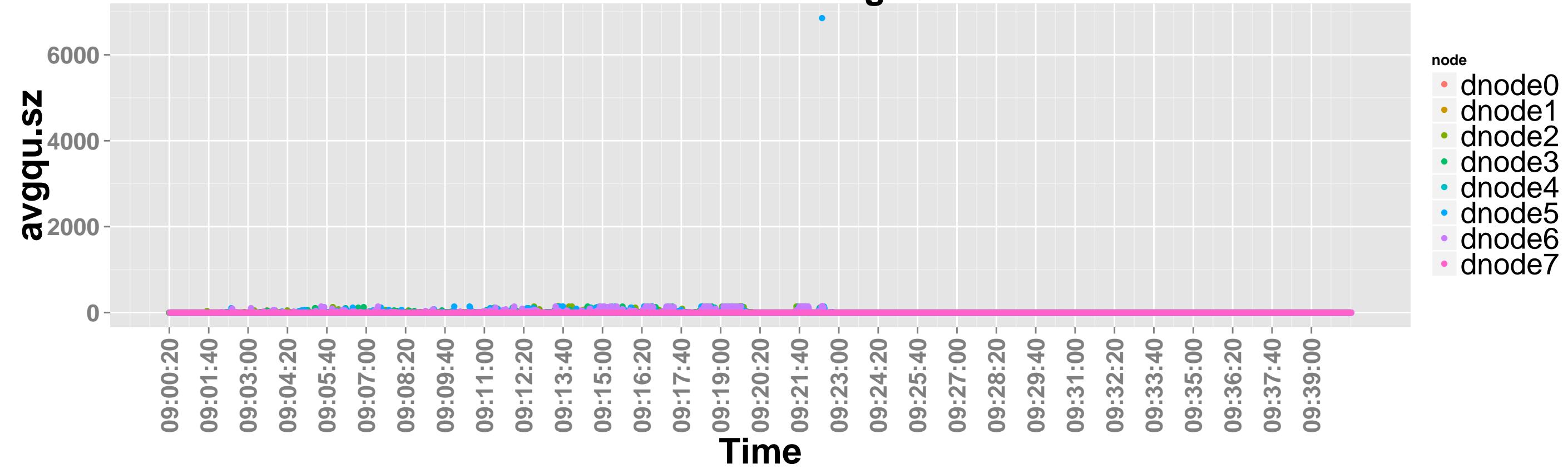
## Cumulative Distribution of dev8-48 Avg Req Size (KBs)



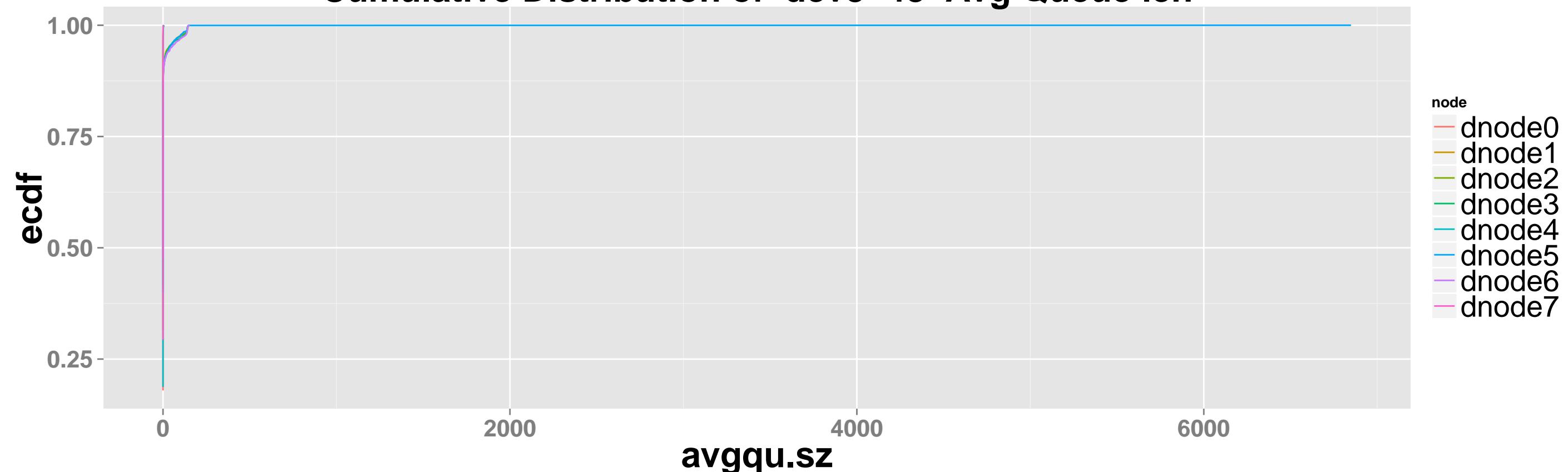
## Barplot clusters of dev8-48 Avg Req Size (KBs)



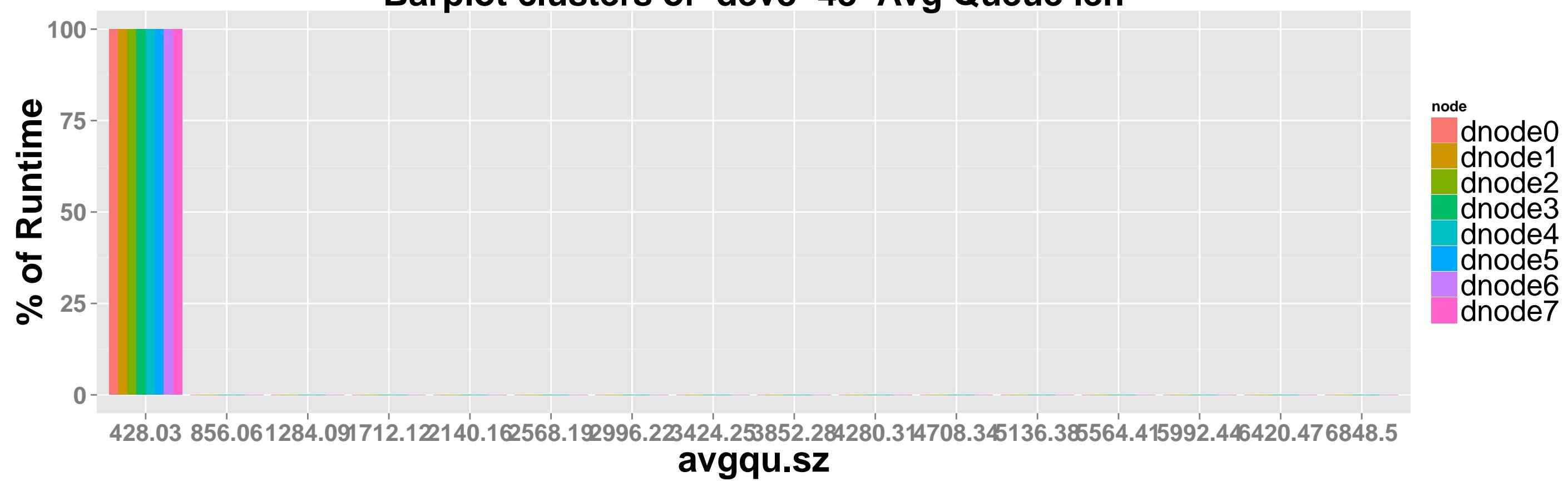
## Data Nodes dev8-48 Avg Queue len



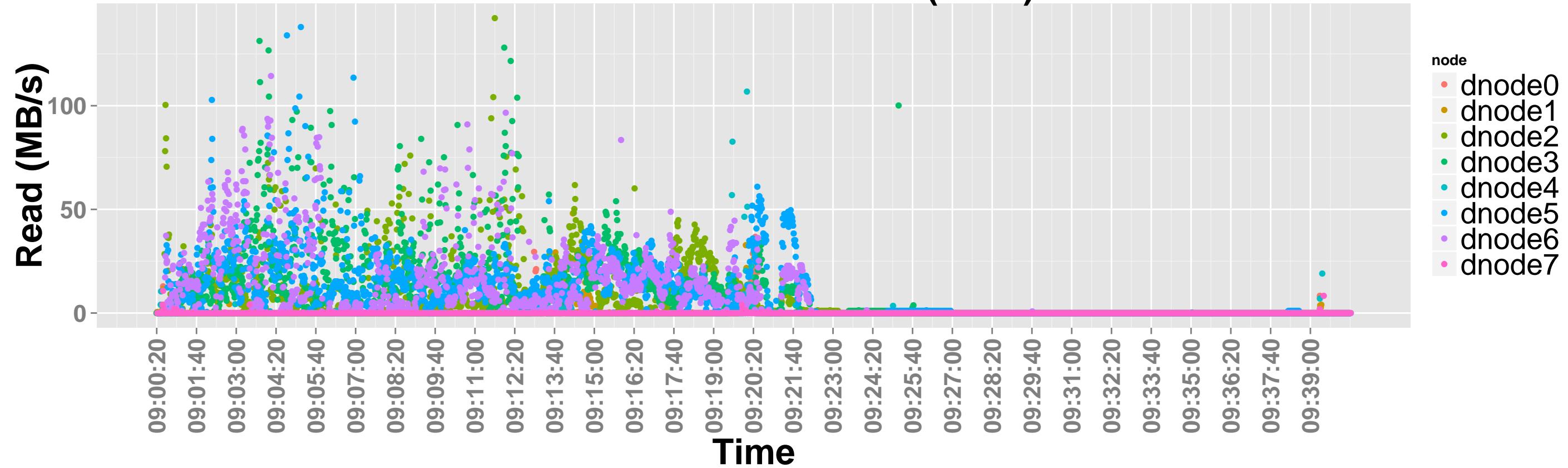
## Cumulative Distribution of dev8-48 Avg Queue len



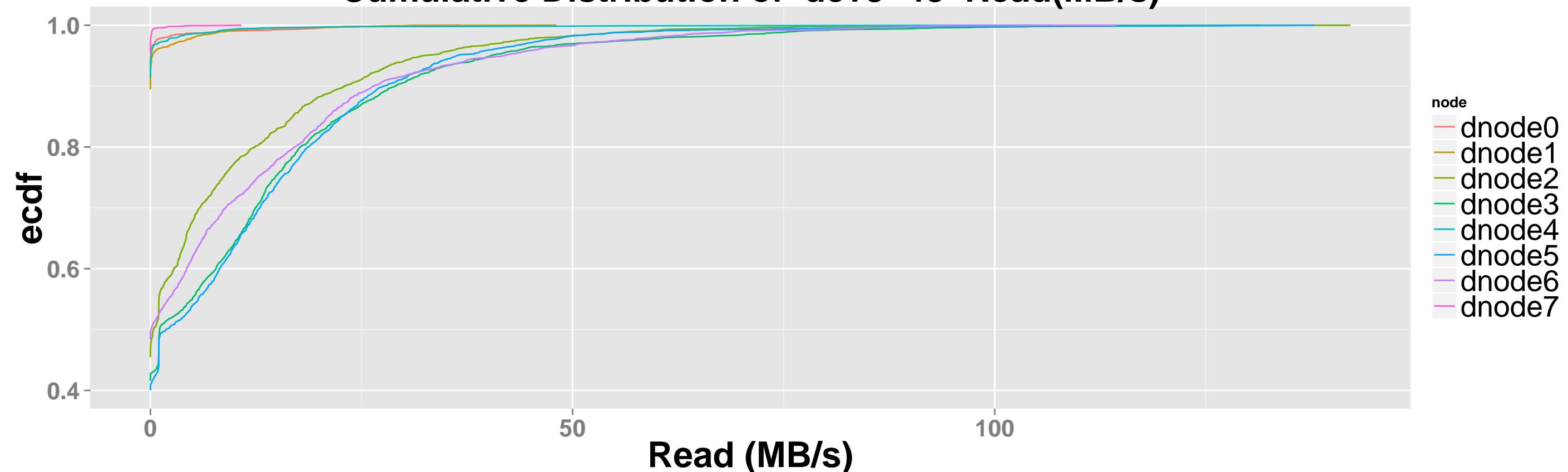
## Barplot clusters of dev8-48 Avg Queue len



## Data Nodes dev8-48 Read(MB/s)



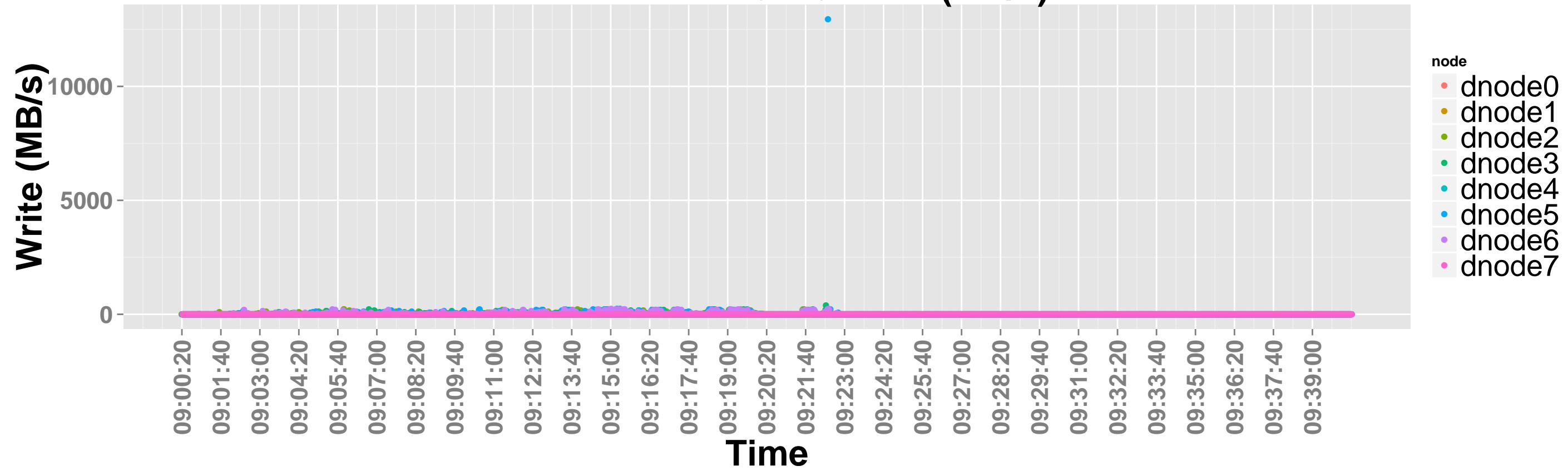
## Cumulative Distribution of dev8-48 Read(MB/s)



## Barplot clusters of dev8-48 Read(MB/s)



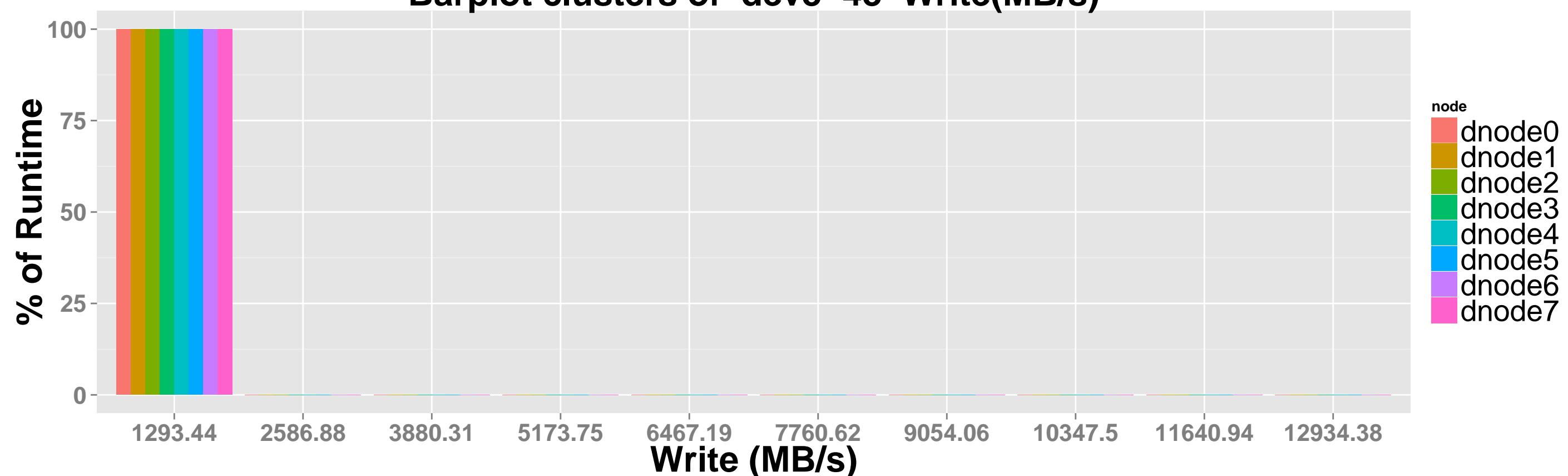
## Data Nodes dev8-48 Write(MB/s)



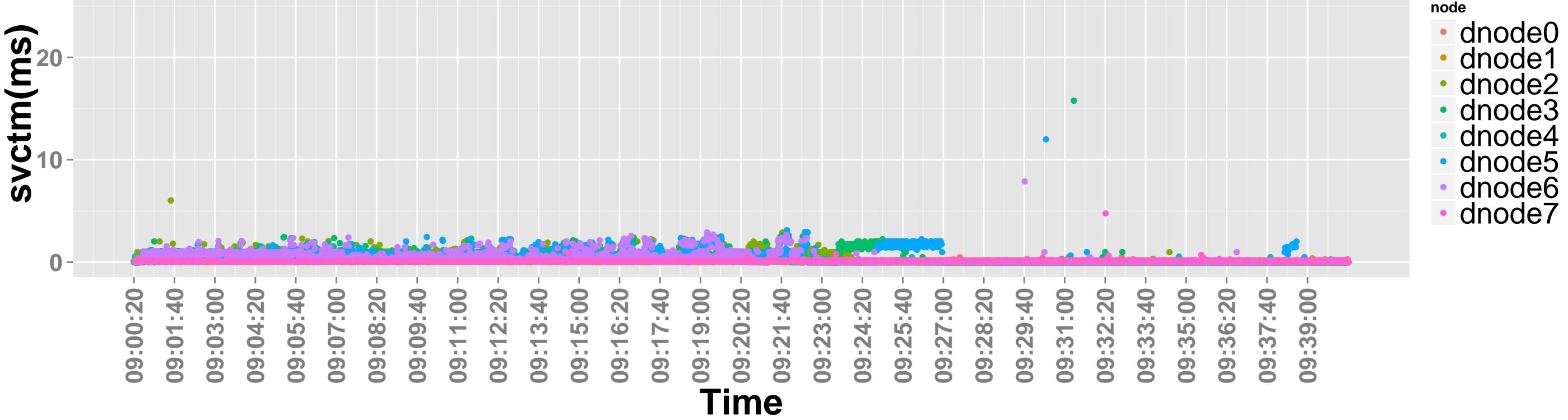
## Cumulative Distribution of dev8-48 Write(MB/s)



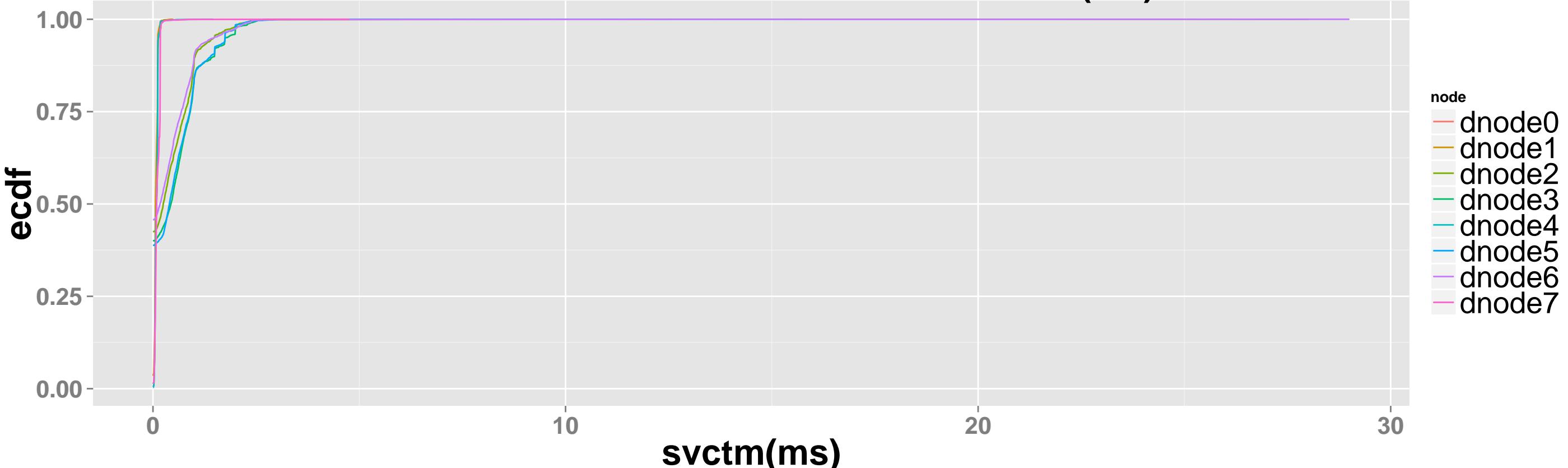
## Barplot clusters of dev8-48 Write(MB/s)



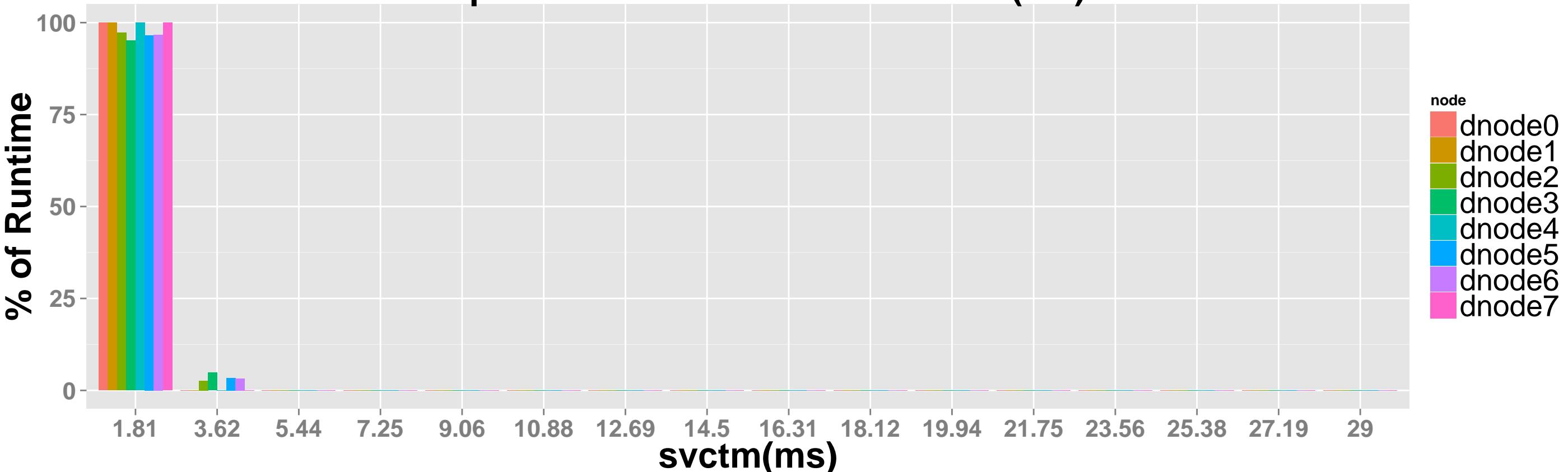
## Data Nodes dev8-48 svctm(ms)



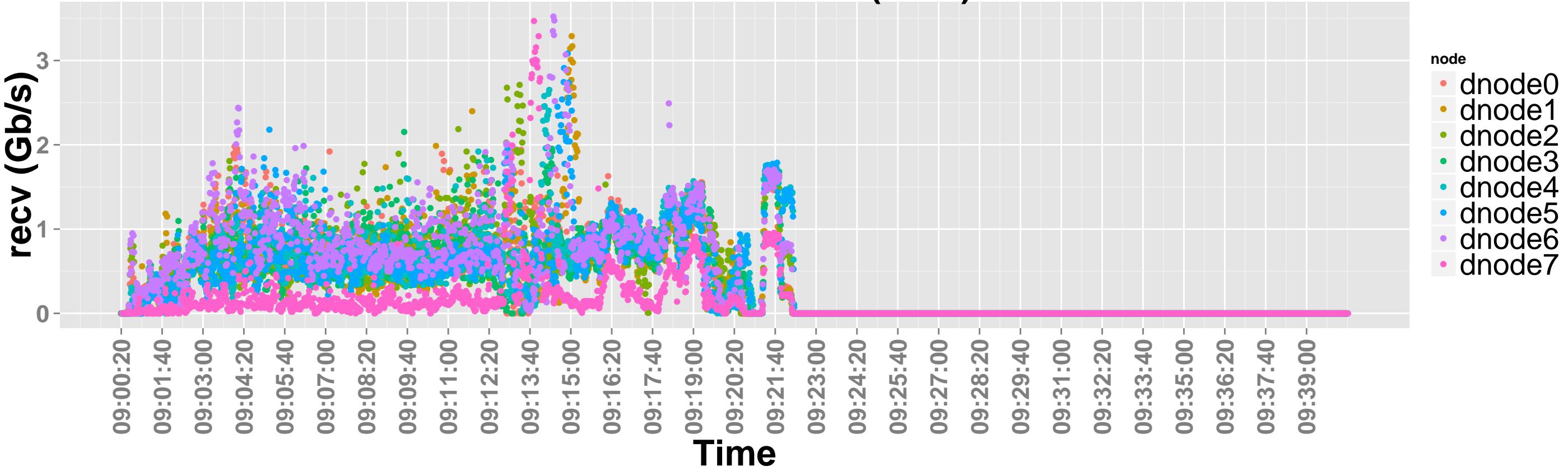
## Cumulative Distribution of dev8-48 svctm(ms)



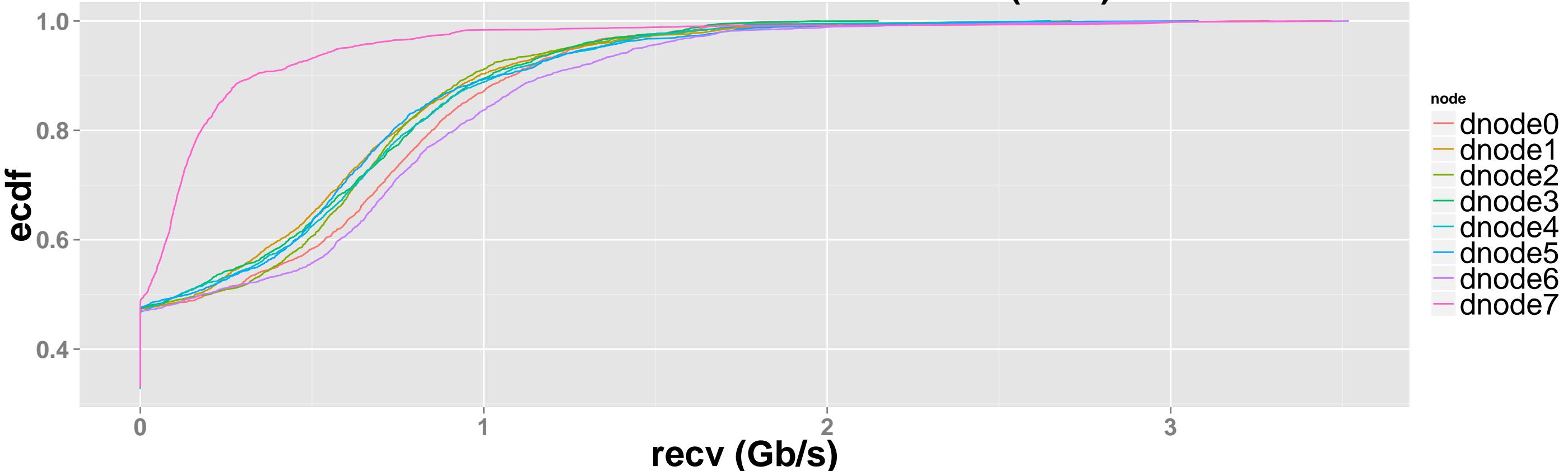
## Barplot clusters of dev8-48 svctm(ms)



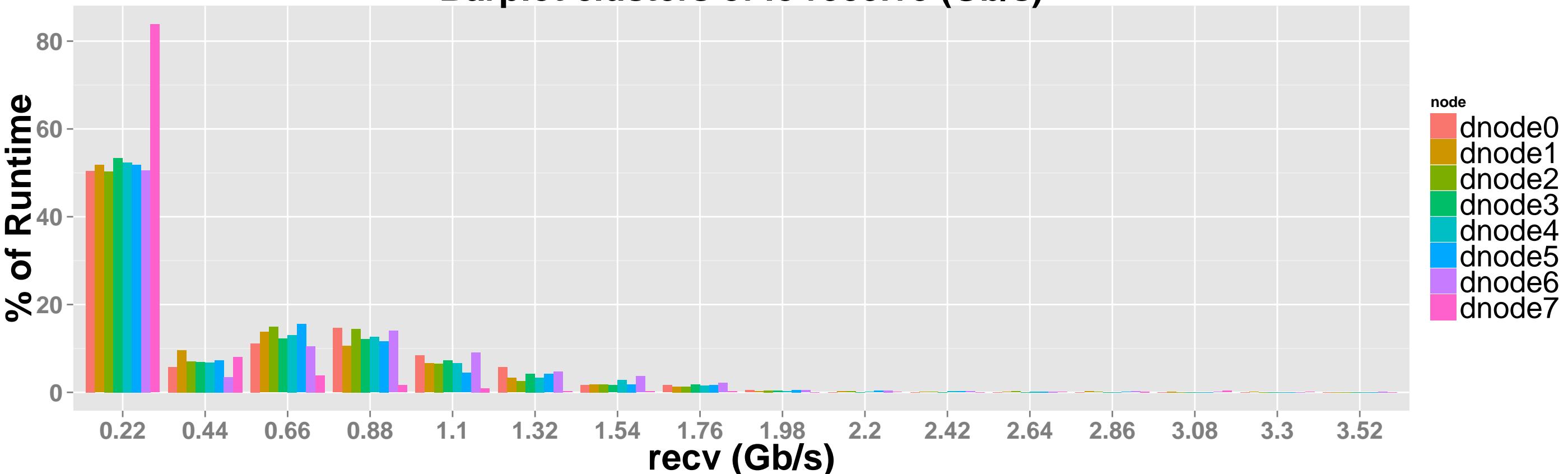
## Data Nodes lo receive (Gb/s)



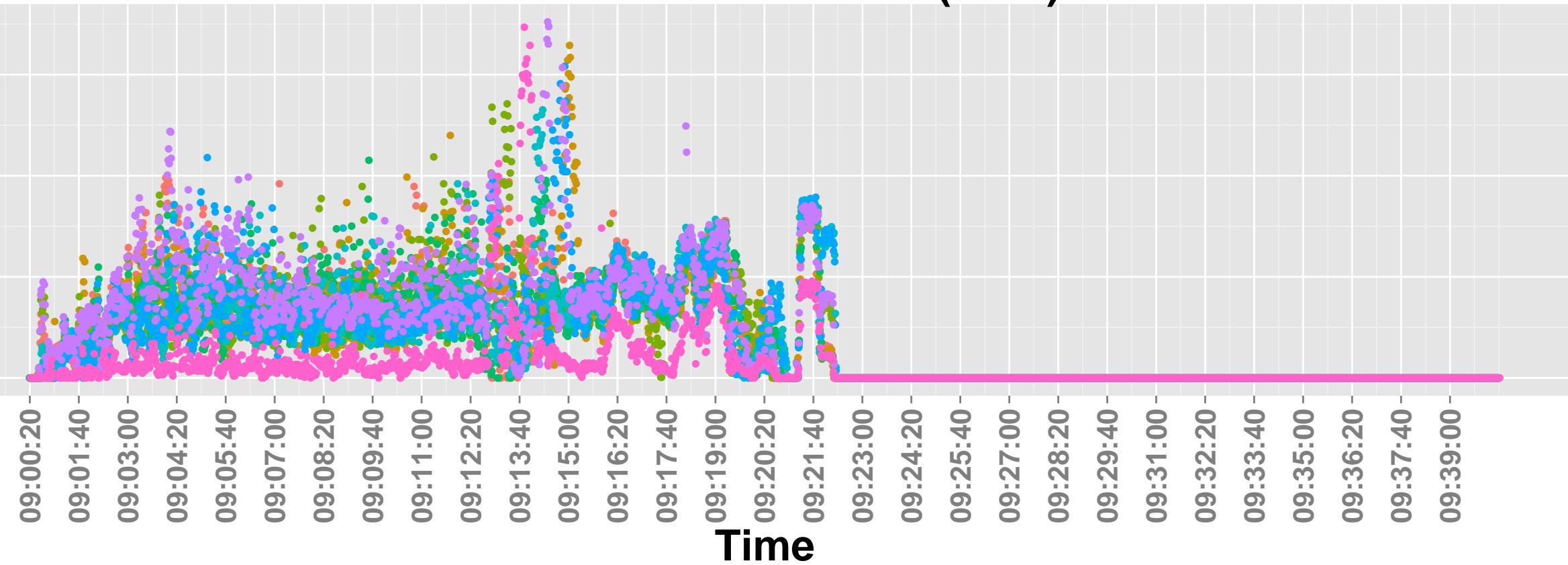
## Cumulative Distribution of lo receive (Gb/s)



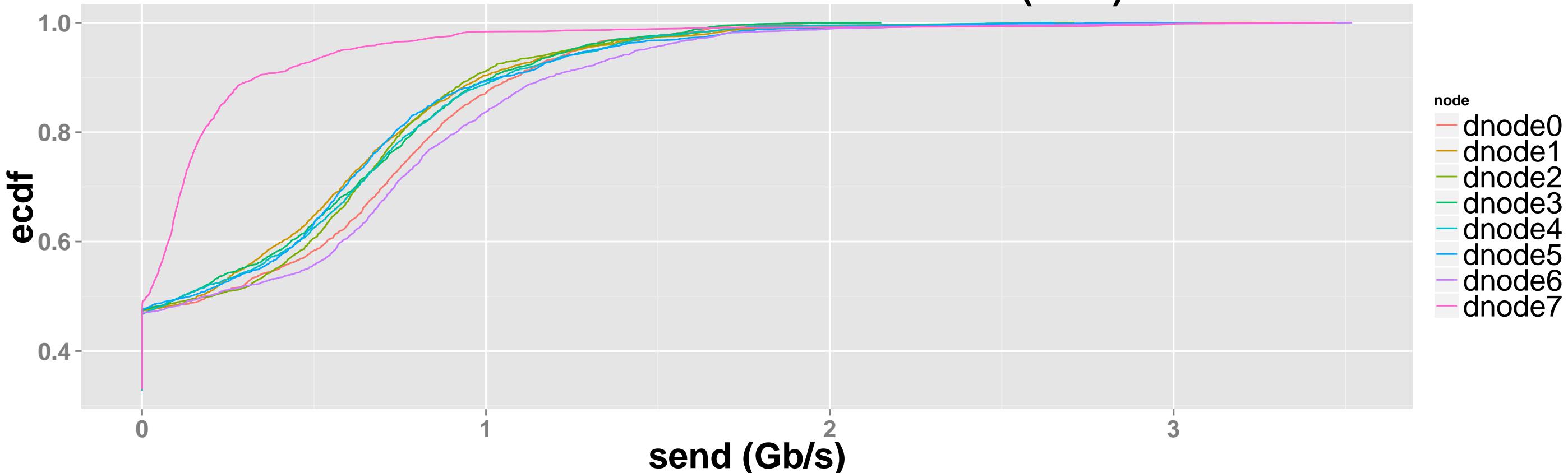
## Barplot clusters of lo receive (Gb/s)



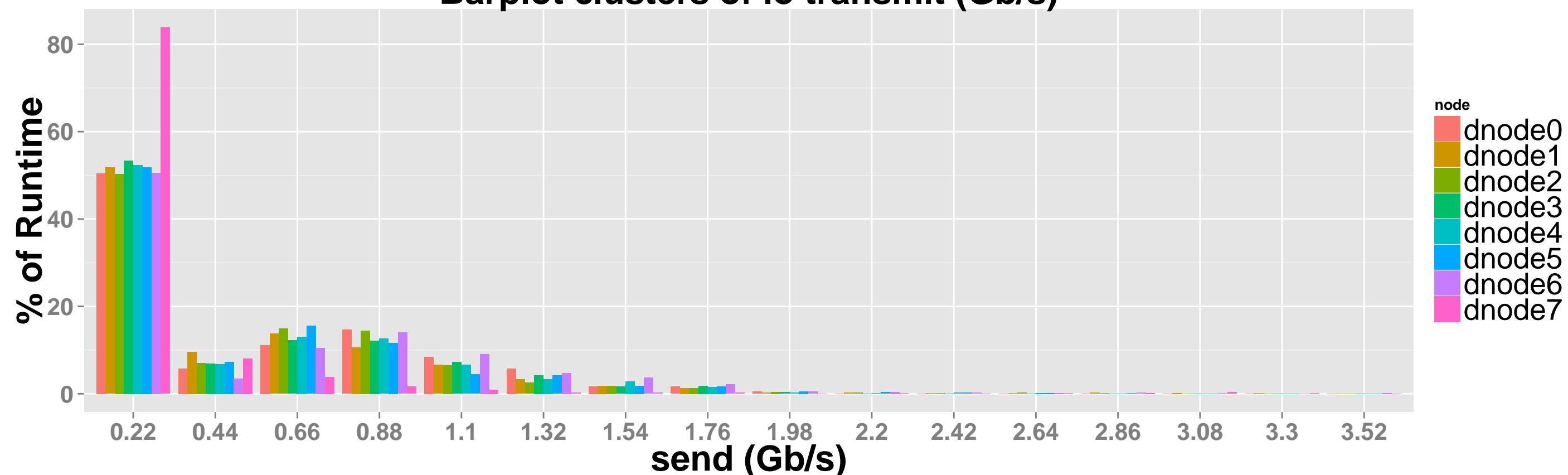
## Data Nodes Io transmit (Gb/s)

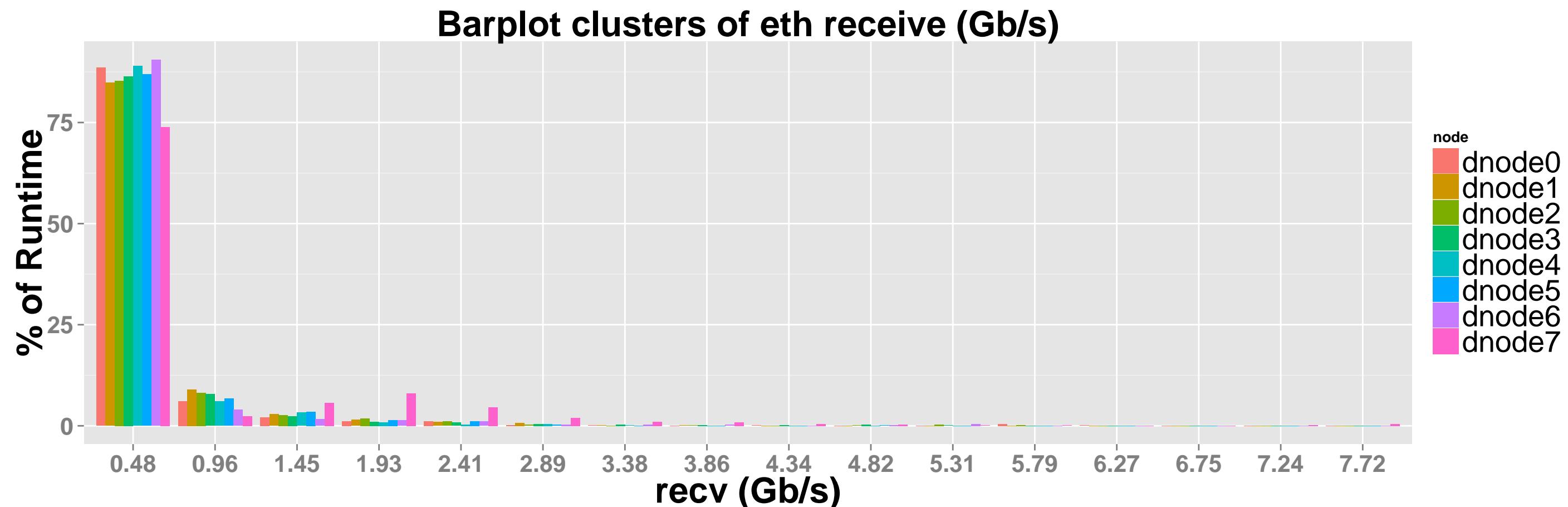
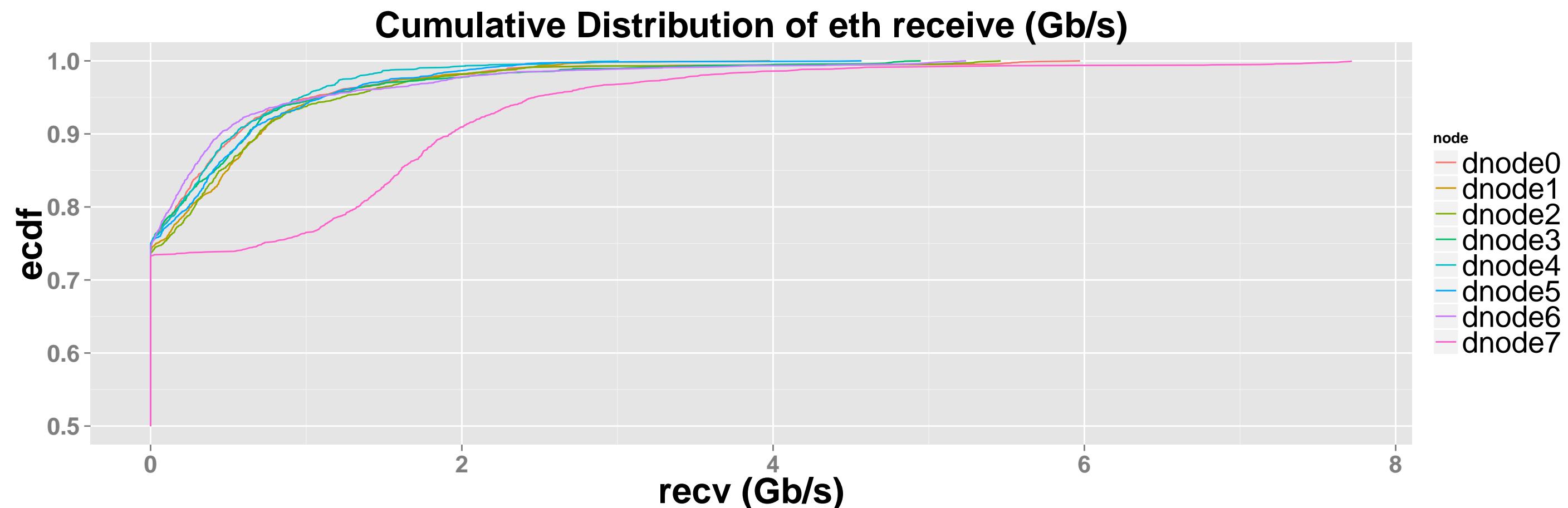
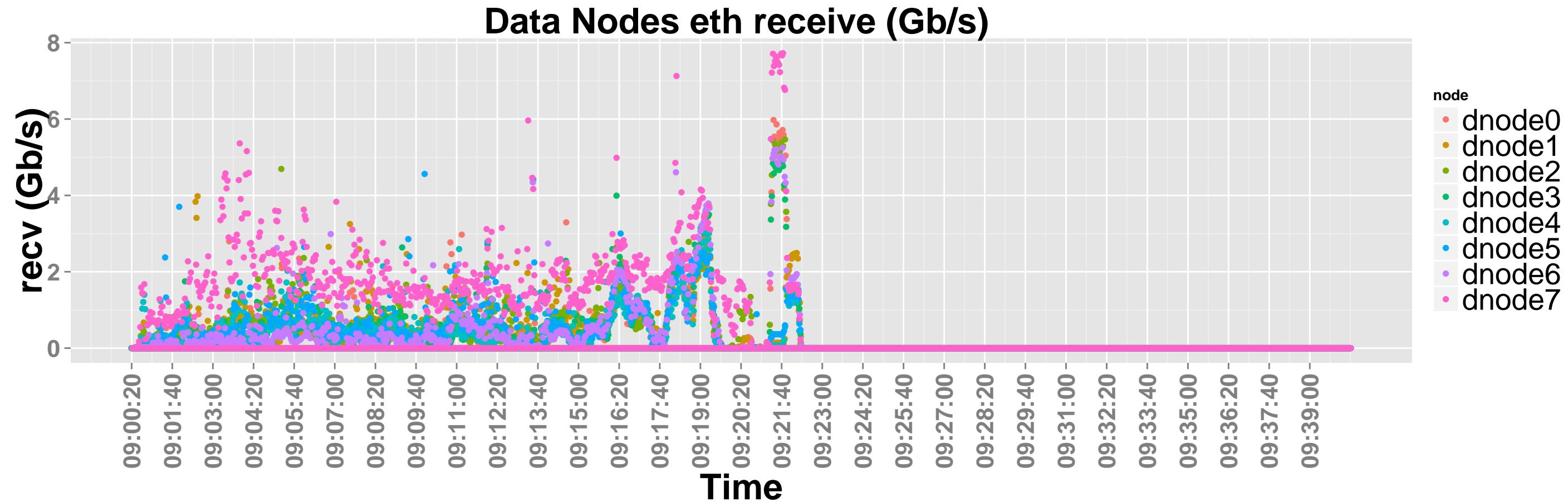


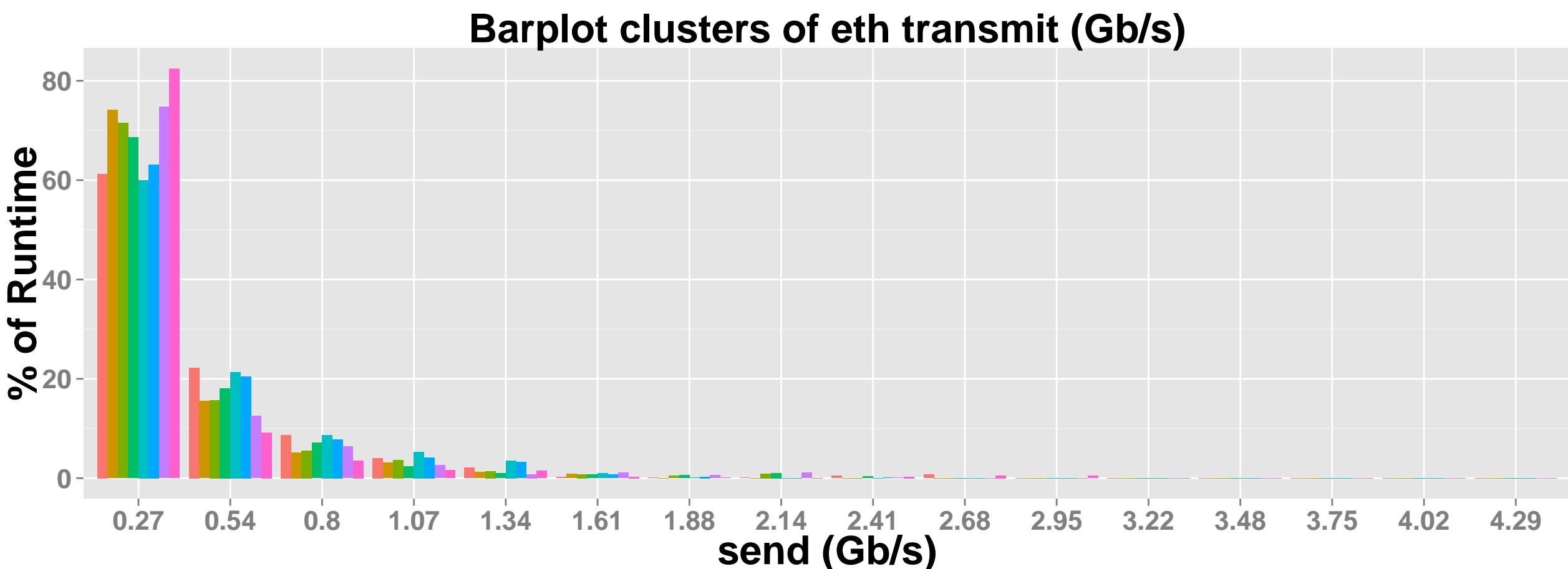
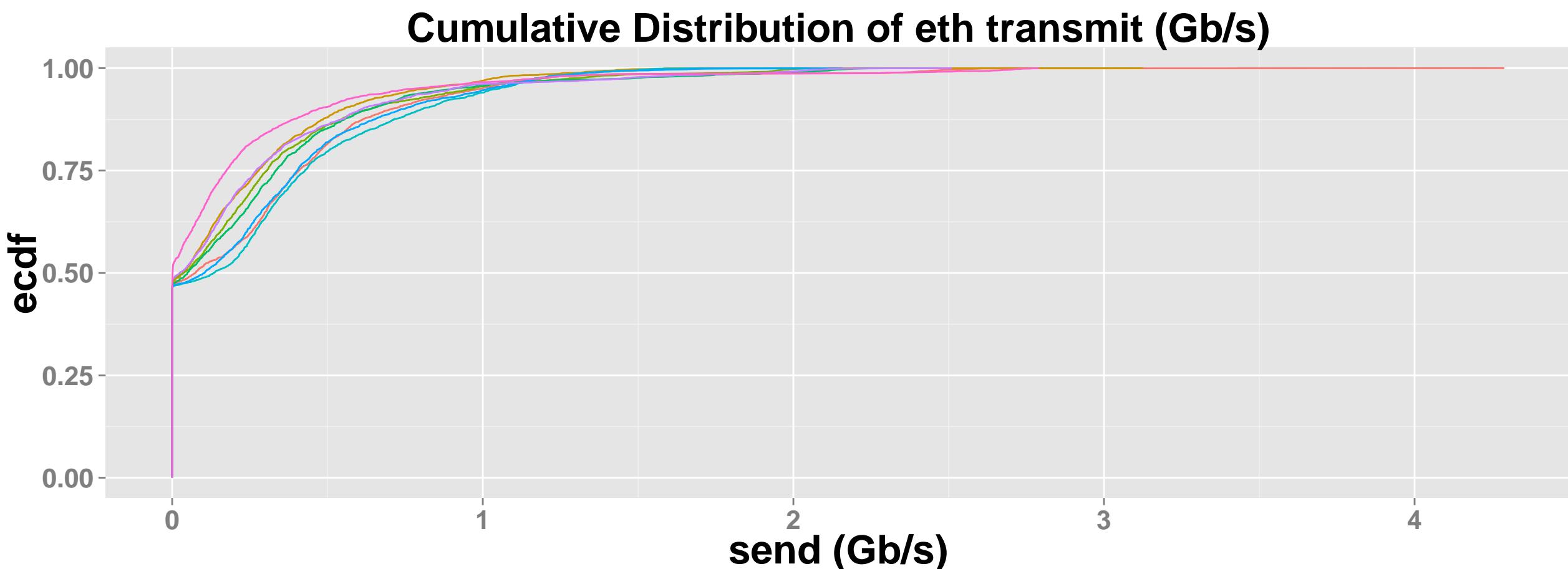
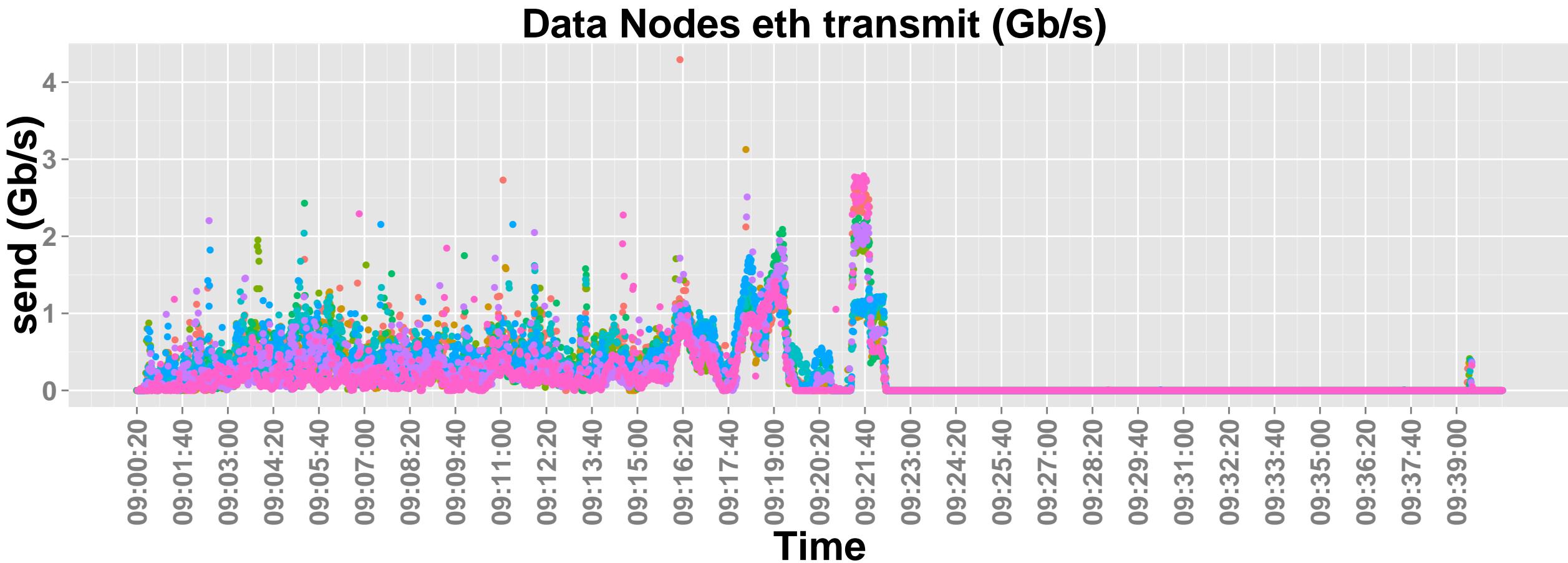
## Cumulative Distribution of Io transmit (Gb/s)



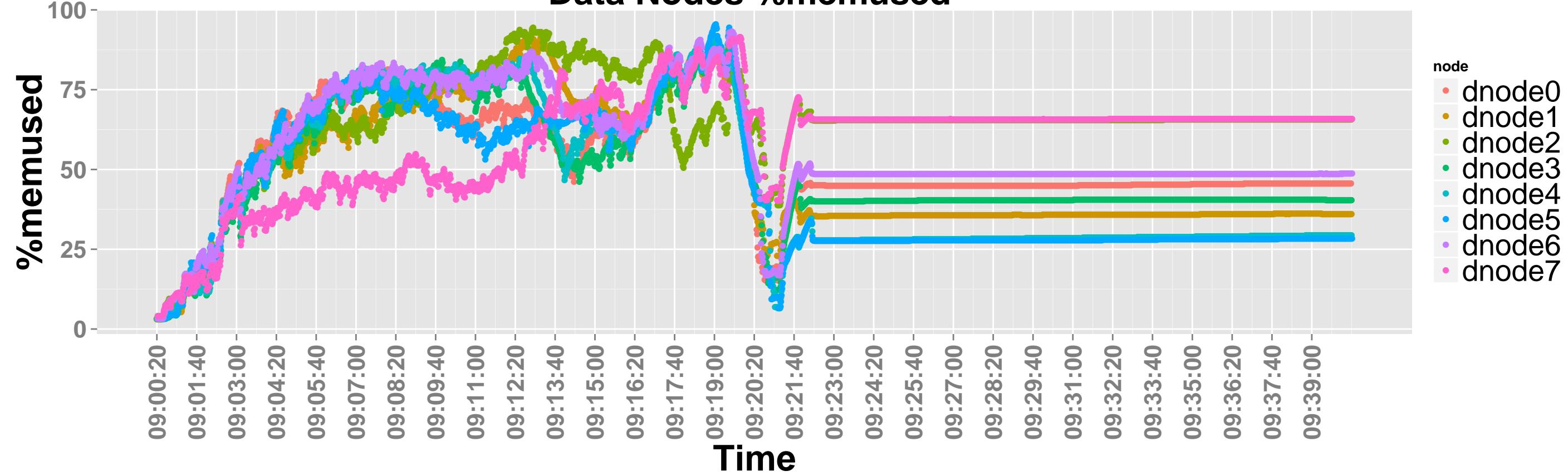
## Barplot clusters of Io transmit (Gb/s)



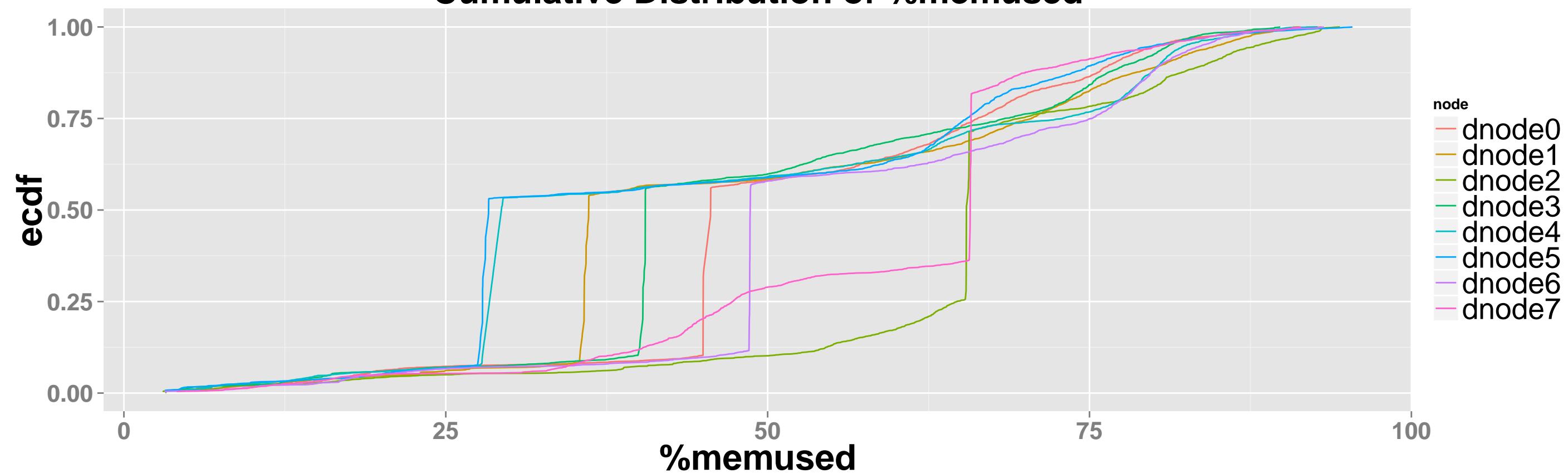




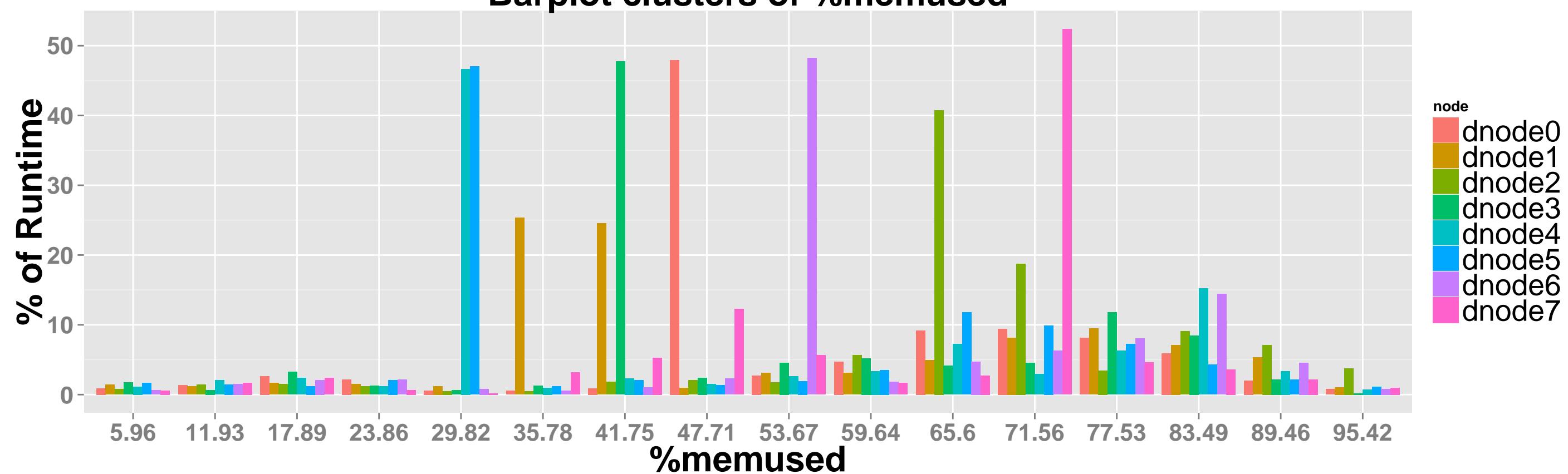
## Data Nodes %memused



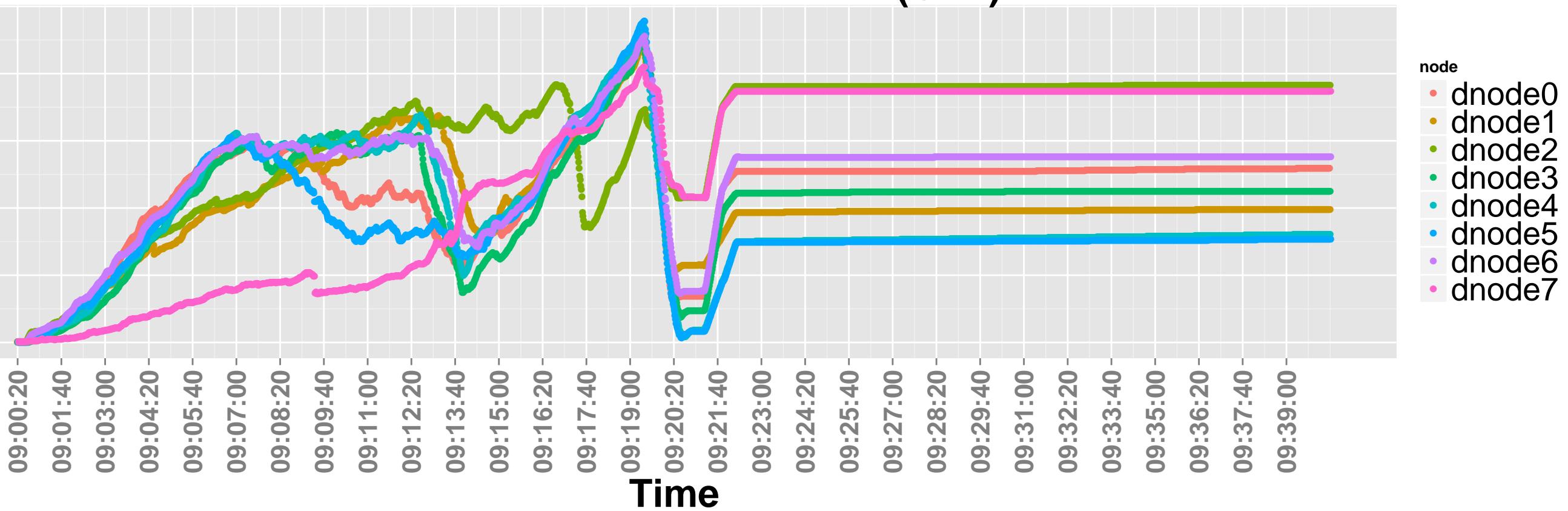
## Cumulative Distribution of %memused



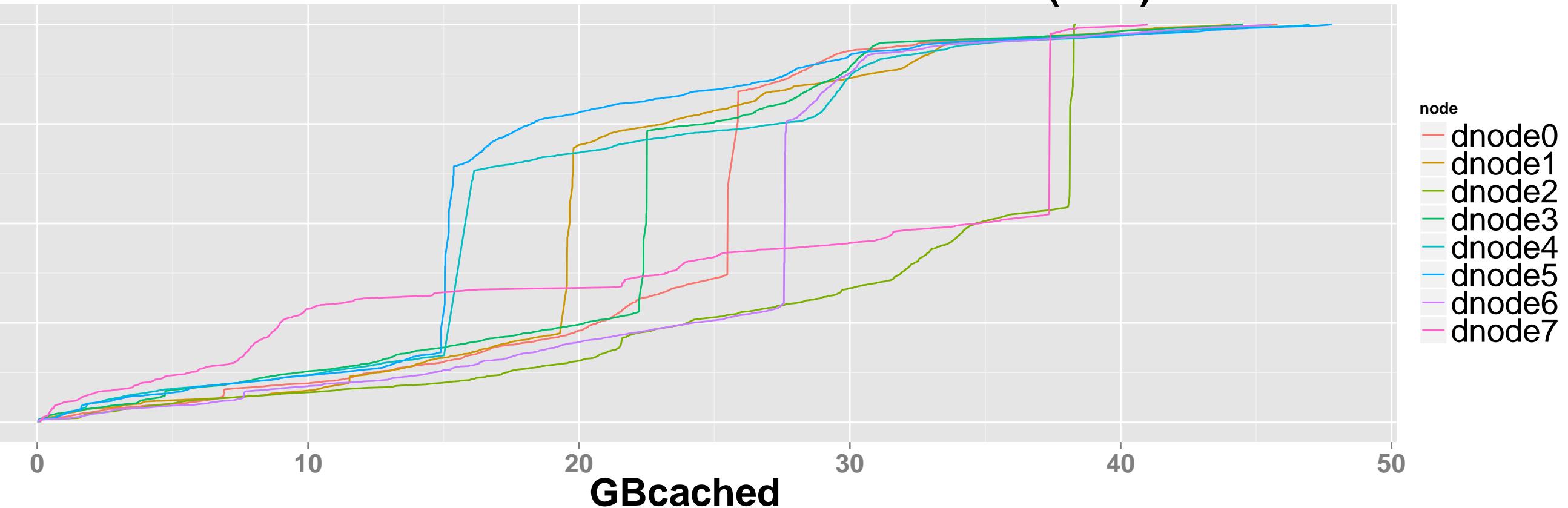
## Barplot clusters of %memused



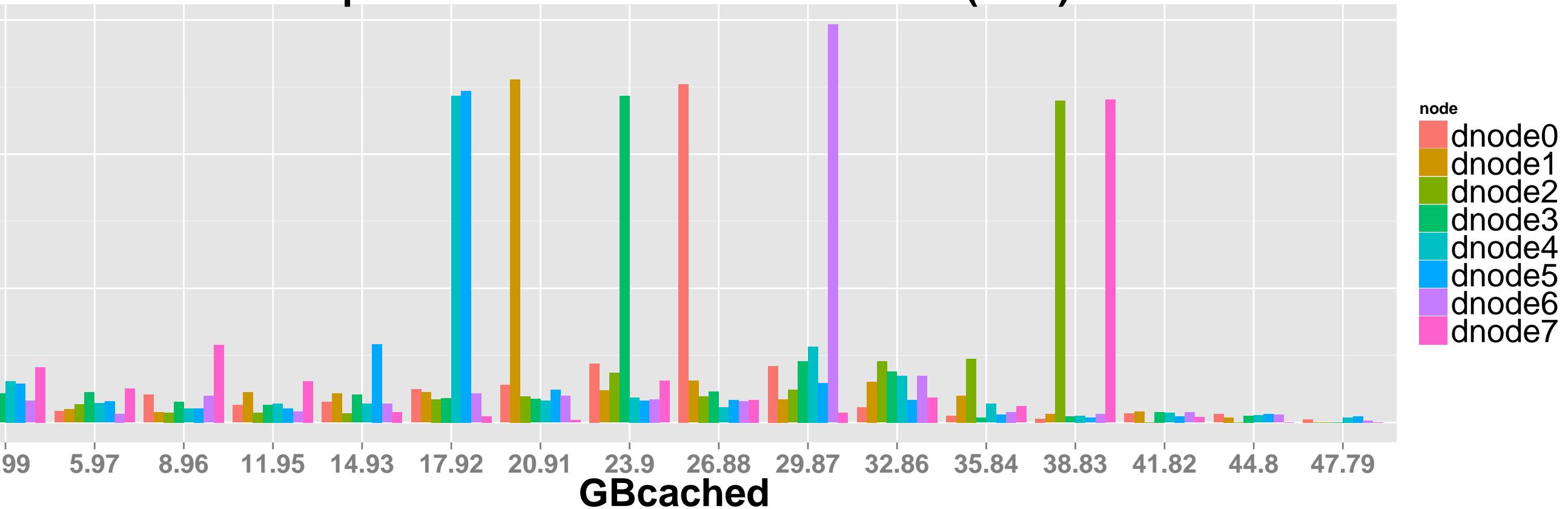
## Data Nodes kernel cache data (GBs)



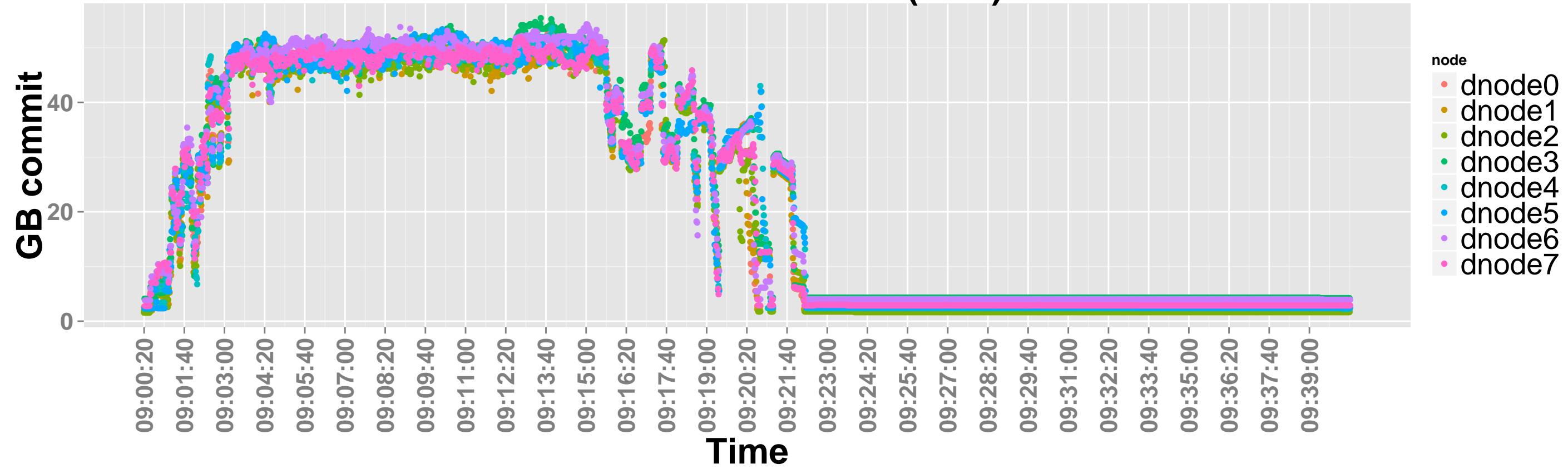
## Cumulative Distribution of kernel cache data (GBs)



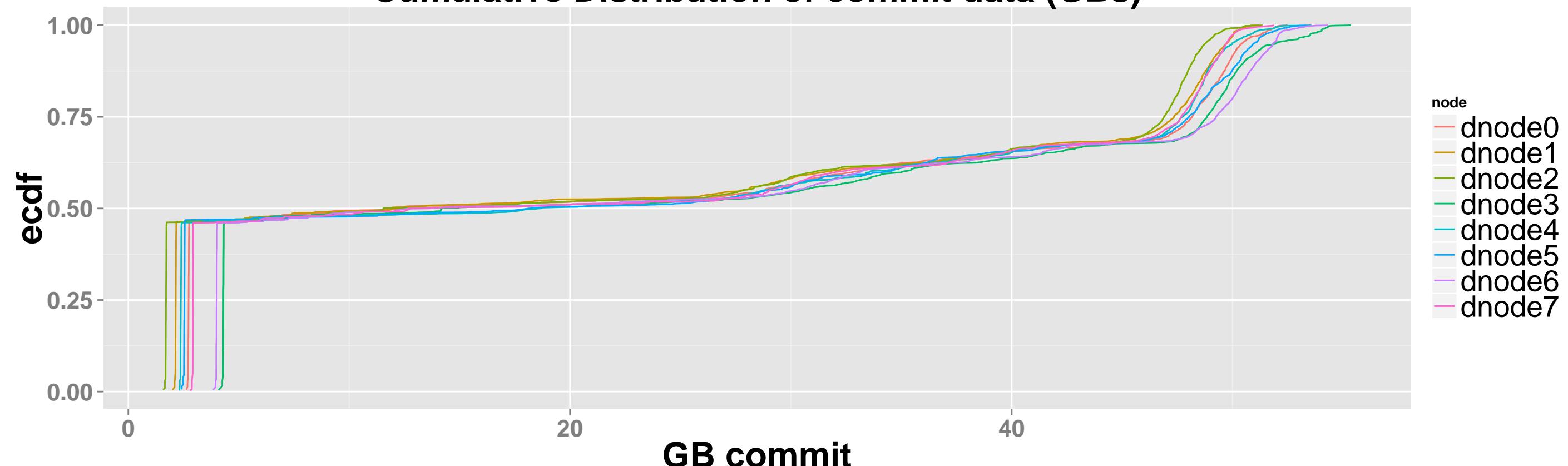
## Barplot clusters of kernel cache data (GBs)



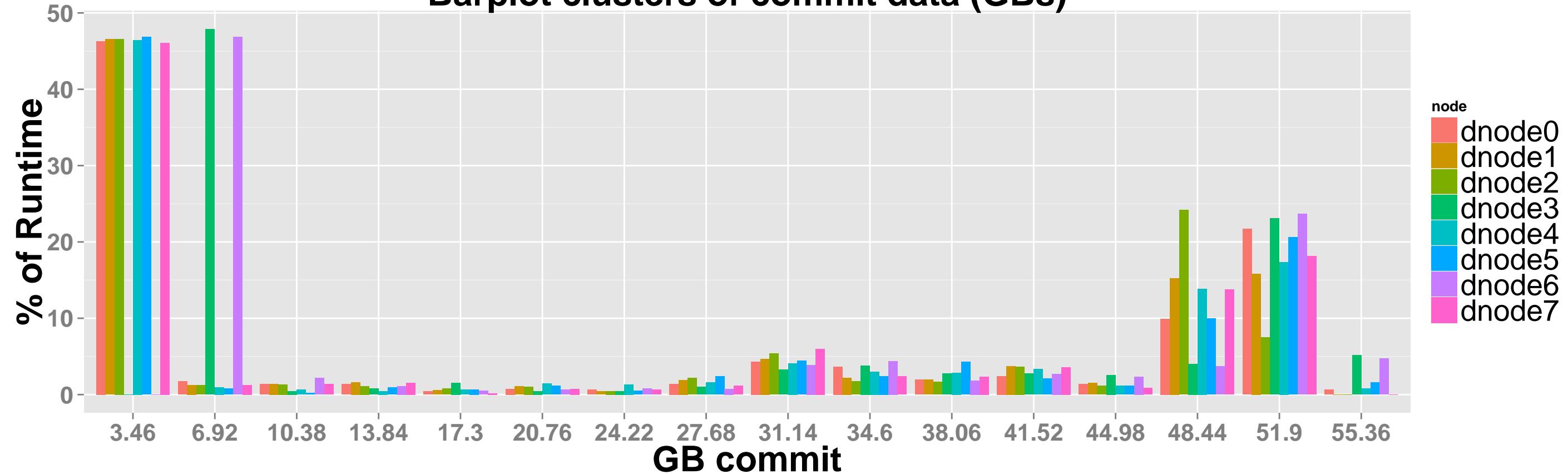
## Data Nodes commit data (GBs)

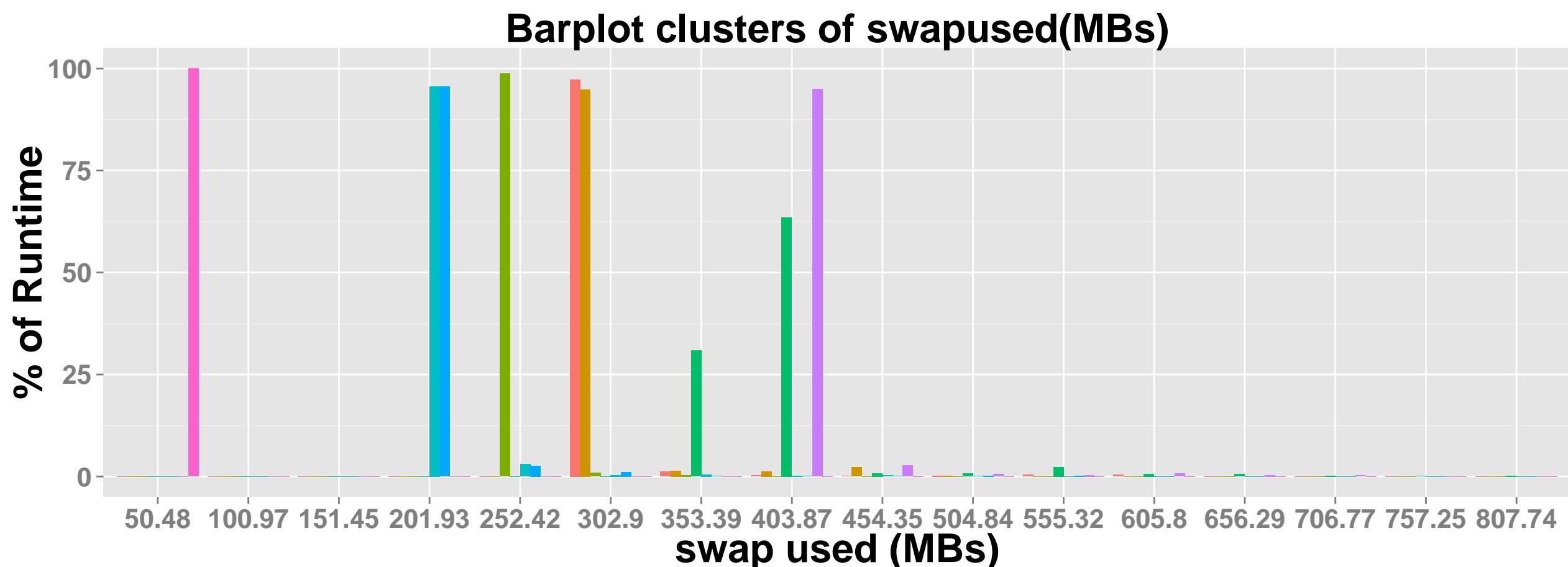
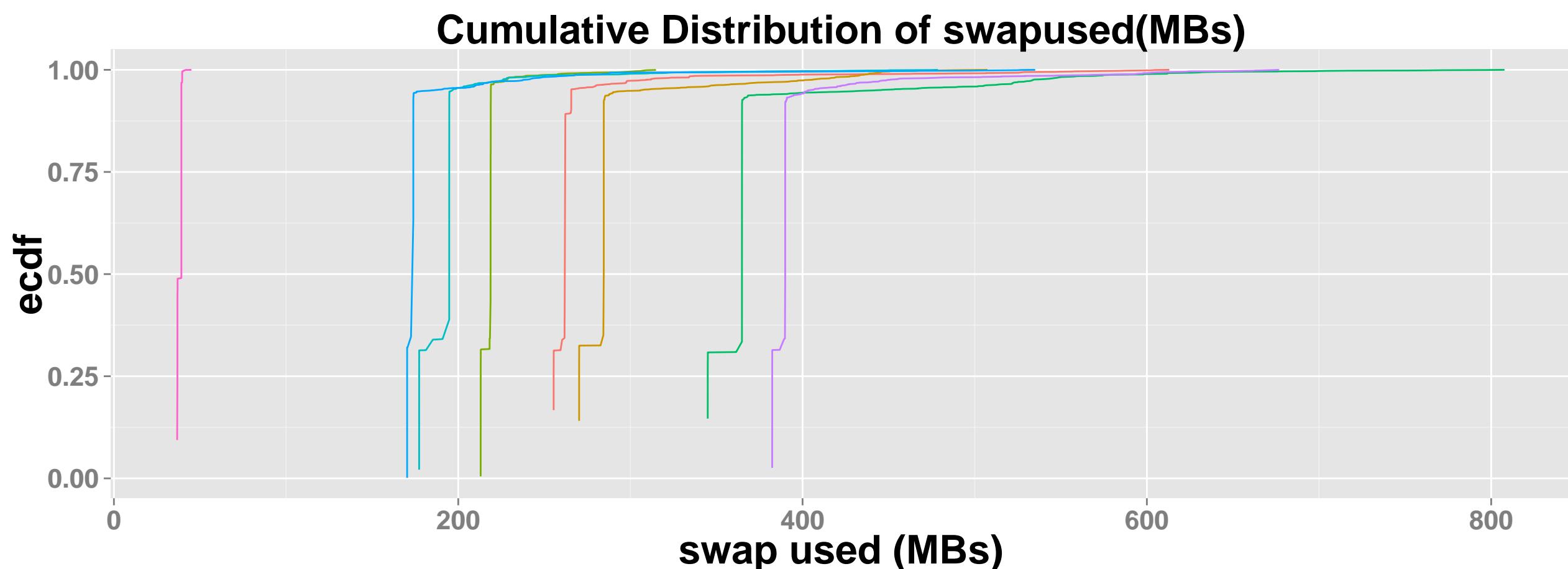
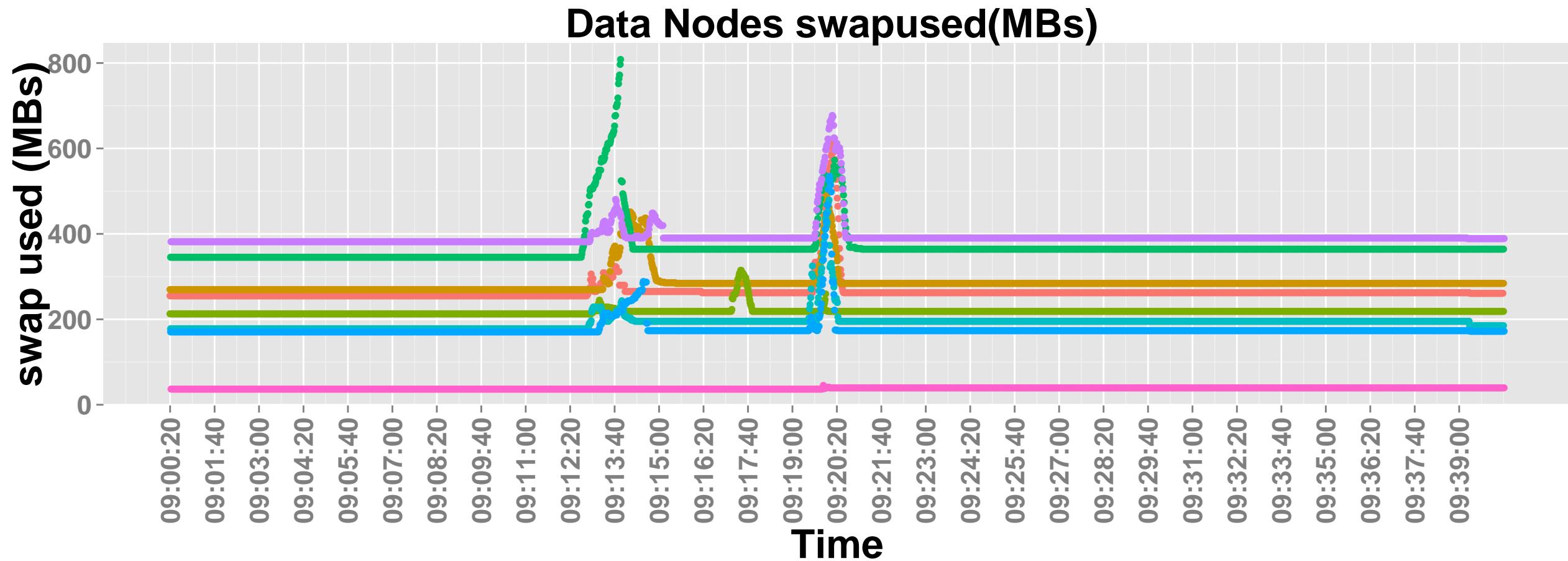


## Cumulative Distribution of commit data (GBs)

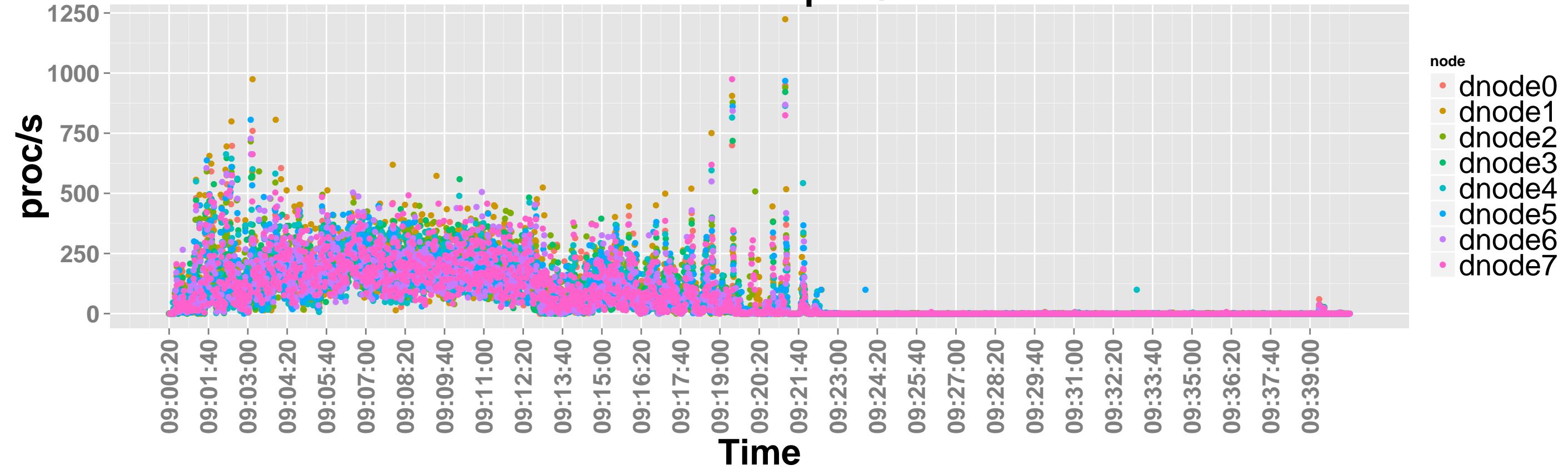


## Barplot clusters of commit data (GBs)

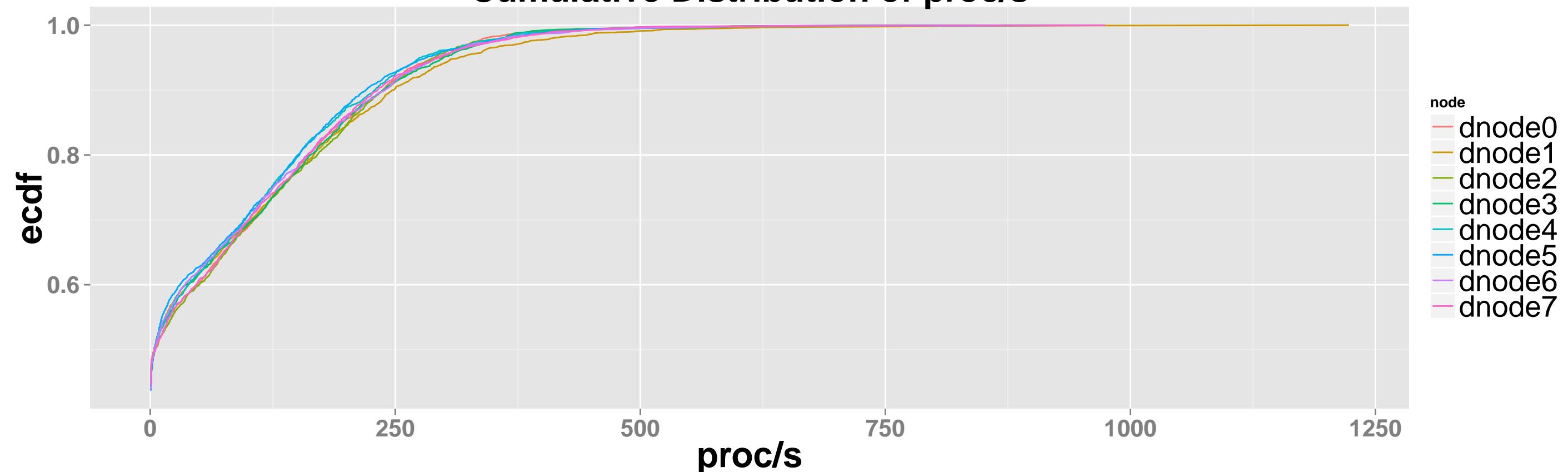




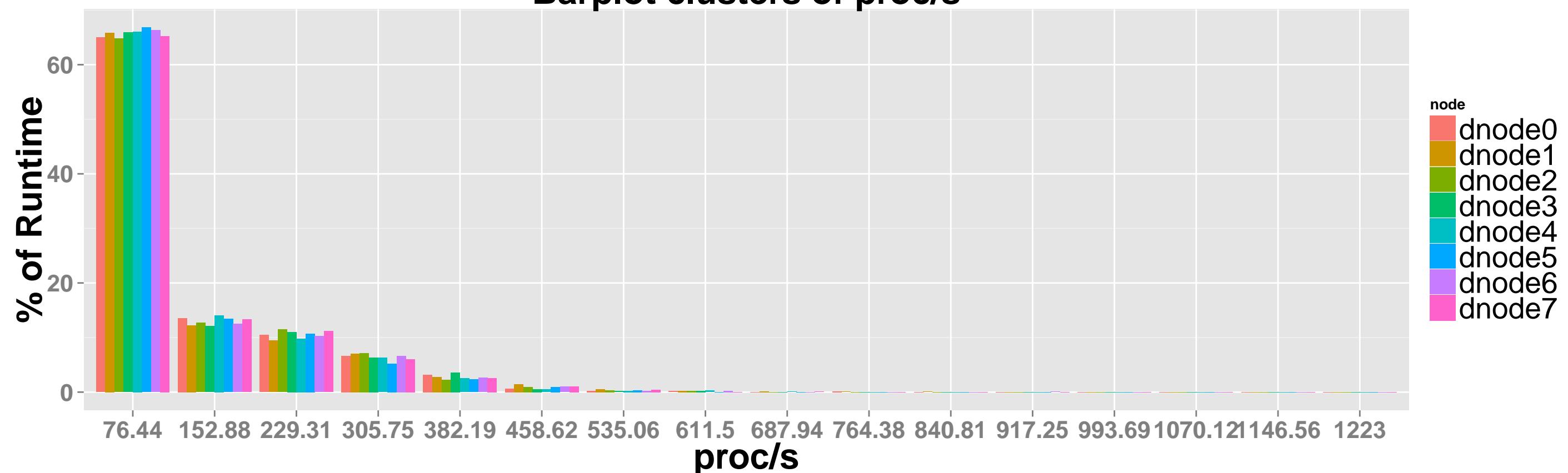
## Data Nodes proc/s



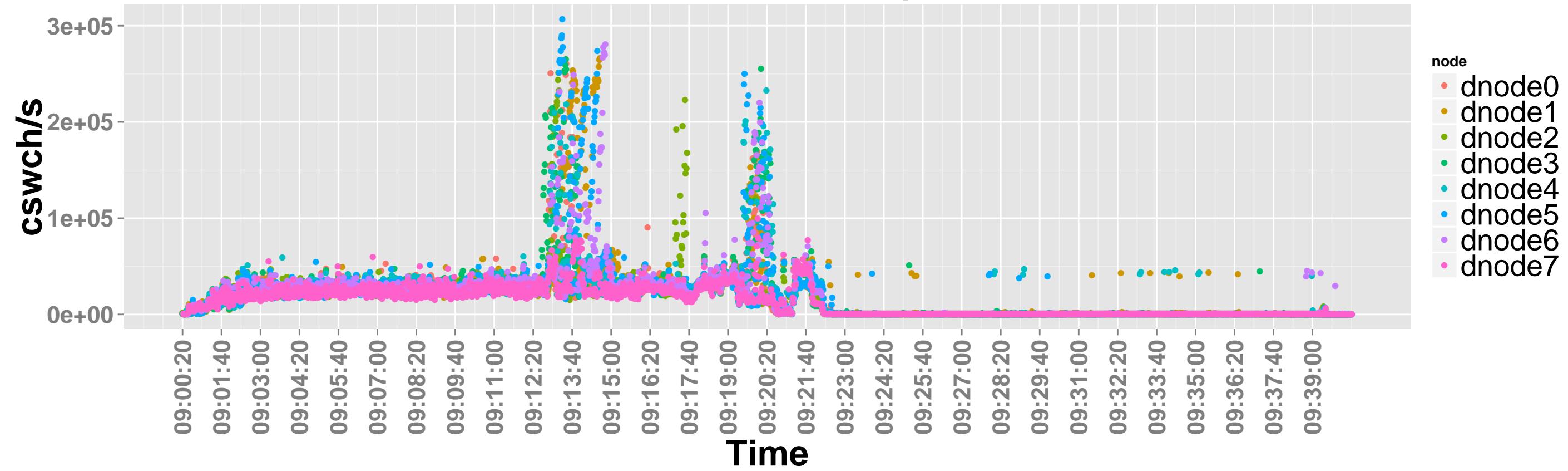
## Cumulative Distribution of proc/s



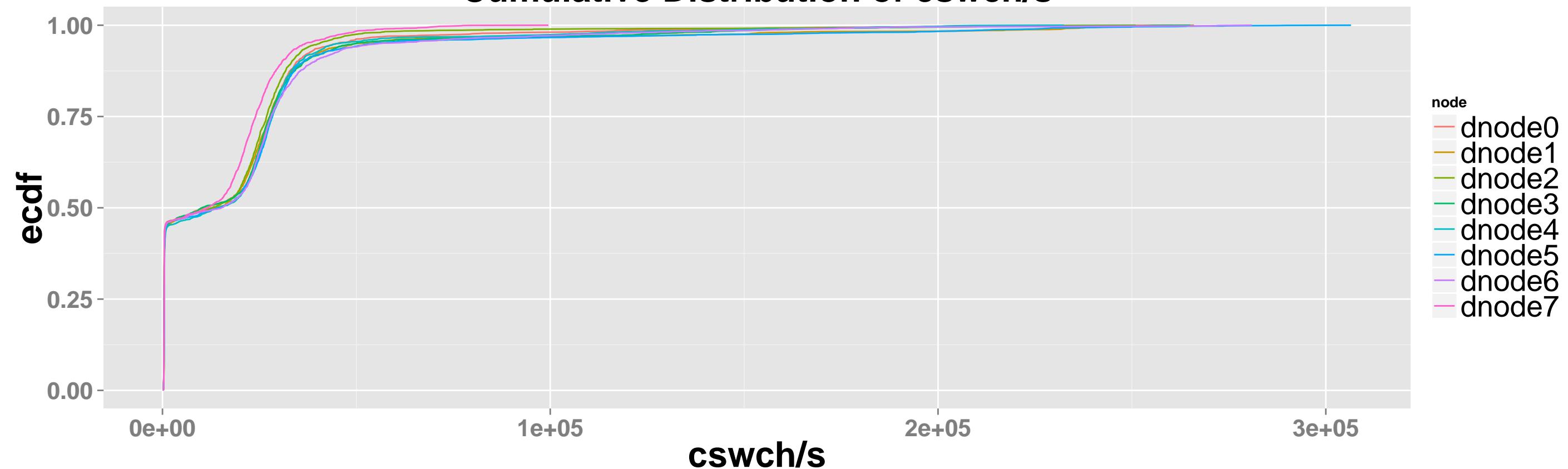
## Barplot clusters of proc/s



## Data Nodes cswch/s



## Cumulative Distribution of cswch/s



## Barplot clusters of cswch/s

