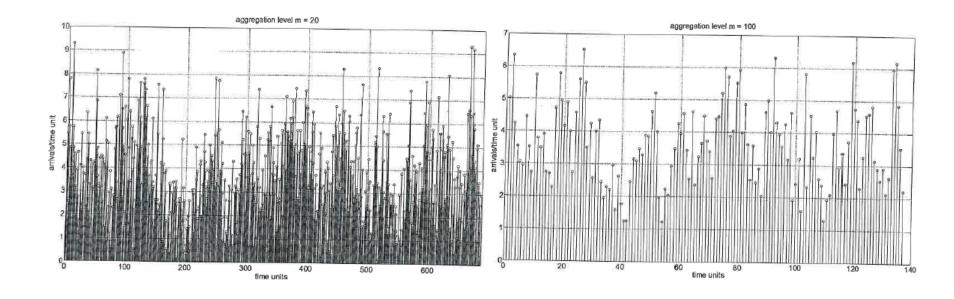
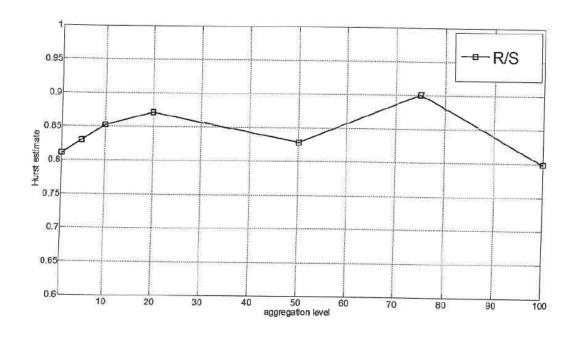


- Heavy tailness
- Packet interarrival times (Alfonso, Filip) light or heavy tail?

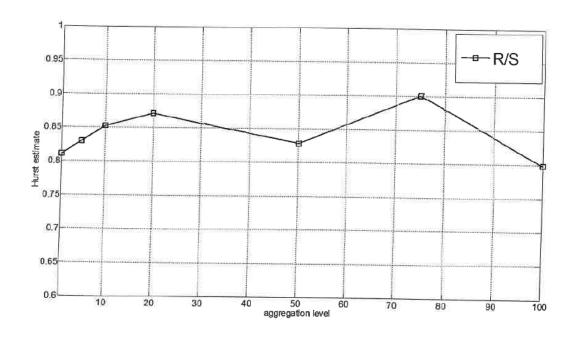


- Self similarity of packet arrival process
- Packet arrival histogram (Filip ... and many others) SS like
- Definition: r^m(k)=r(k)

$$r(k) \sim H(2H-1)\frac{1}{k^{2(1-H)}}, \qquad 0 < H < 1, H \neq 0.5$$



- Self similarity of packet arrival process
- Definition: $r^{m}(k)=r(k)$ $r(k) \sim H(2H-1)\frac{1}{k^{2(1-H)}}$, 0 < H < 1, $H \neq 0.5$
- H parameter estimation for different m (Filip)



- Long range dep: $\sum_{k=1}^{\infty} r(k) = \infty$ note, we can not use this, we have only finite samples!
- LRD+SS: Hurst parameter above 0.5