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Explaining Burstiness

UNC 2000 main link inbound packet data by flow:

- About 4.5 minutes (5 million packets).
- For each packet we have:
 1. a timestamp,
 2. a flow number, and
 3. the number of bytes.

Are there dominant (“alpha”) sources contributing to the burstiness of the aggregate packet count?

If yes, how should the alpha contributions be modeled?