NeurIPS (# documents M=1,348 / average document length=380.5) LogBaseRecovery LogApproximation AnchorQuality LogRectifyTime LogFactorizeTime LogRecovery Sparsity -3.1 **-**-2.1 **-**0.90 -–2.1 **-** [8 -3.0 -**Topics** 0.85 -–2.2 **-**-2.3 **-** / → K=large 0.80 -–2.3 **-** △ -2.4 **-**2.0 -K=medium 0.75 - $-3.4 \cdot$ -2.4 **-**1.5 --2.5 **-**K=small 1.5 -0.70 --2.5 **-**2.5 2.5 5.0 2.5 5.0 7.5 10.0 5.0 7.5 10.0 5.0 5.0 7.5 10.0 7.5 10.0 5.0 7.5 10.0 5.0 7.5 10.0 7.5 NYTimes (# documents M=263,325 / average document length=204.9) AnchorQuality LogRectifyTime LogFactorizeTime LogRecovery LogBaseRecovery LogApproximation Sparsity 50 --3.60 **-Topics** 40 --3.65 **-**0.90 → K=large 30 --3.70 **-**3.0 --2.6 0.85 -K=medium -2.8 **-**-3.75 **-**2.5 --2.8 · → K=small 0.80 -3.80 **-**20 60 20 20 20 Movies (# documents M=63,041 / average document Length=142.8) LogRecovery LogBaseRecovery LogRectifyTime LogFactorizeTime LogApproximation AnchorQuality Sparsity -3.10 **-**3.0 -0.90 --2.0 **-Topics** -2.0 · -3.15 **-**2.8 -0.85 **-**-3.20 **-** 9 K=large 2.0 0.80 --3.25 **-**K=medium -2.2 **-**K=small -3.30 **-**0.75 -2.0 -–2.3 **-**-3.35 **-**7.5 5.0 10.0 10.0 2.5 5.0 10.0 10.0 7.5 10.0 7.5 5.0 5.0 10.0 7.5 10.0 7.5 Songs (# documents M=14,653 / average document length=119.2) LogBaseRecovery LogFactorizeTime LogRecovery LogApproximation AnchorQuality Sparsity LogRectifyTime -3.0 **-**30 -**Topics** -2.00 **-**0.93 -3.0 --3.1 **-**3.5 → K=large 20 --2.25 **-**0.90 --3.2 **-**K=medium -2.50 **-**0.87 -→ K=small -2.75 **-**20 20