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**Barcelona Analysis Seminar**      **2022–2023**

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**URL.** <https://mat.uab.cat/web/seminarianalisi/>

**Date.** April 13, 2023

**Time.** 15:00 CET

**Room.** C3b-158 (Universitat Autònoma de Barcelona)

**Online streaming.** [Click here to join.](#)

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## Greedy approximation algorithms for sparse collections

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I'll describe a greedy algorithm that approximates the Carleson constant of a collection of general sets. The approximation has a logarithmic loss in a general setting, but is optimal up to a constant with only mild geometric assumptions. The constructive nature of the algorithm gives additional information about the almost-disjoint structure of sparse collections.