



Central Digital
& Data Office

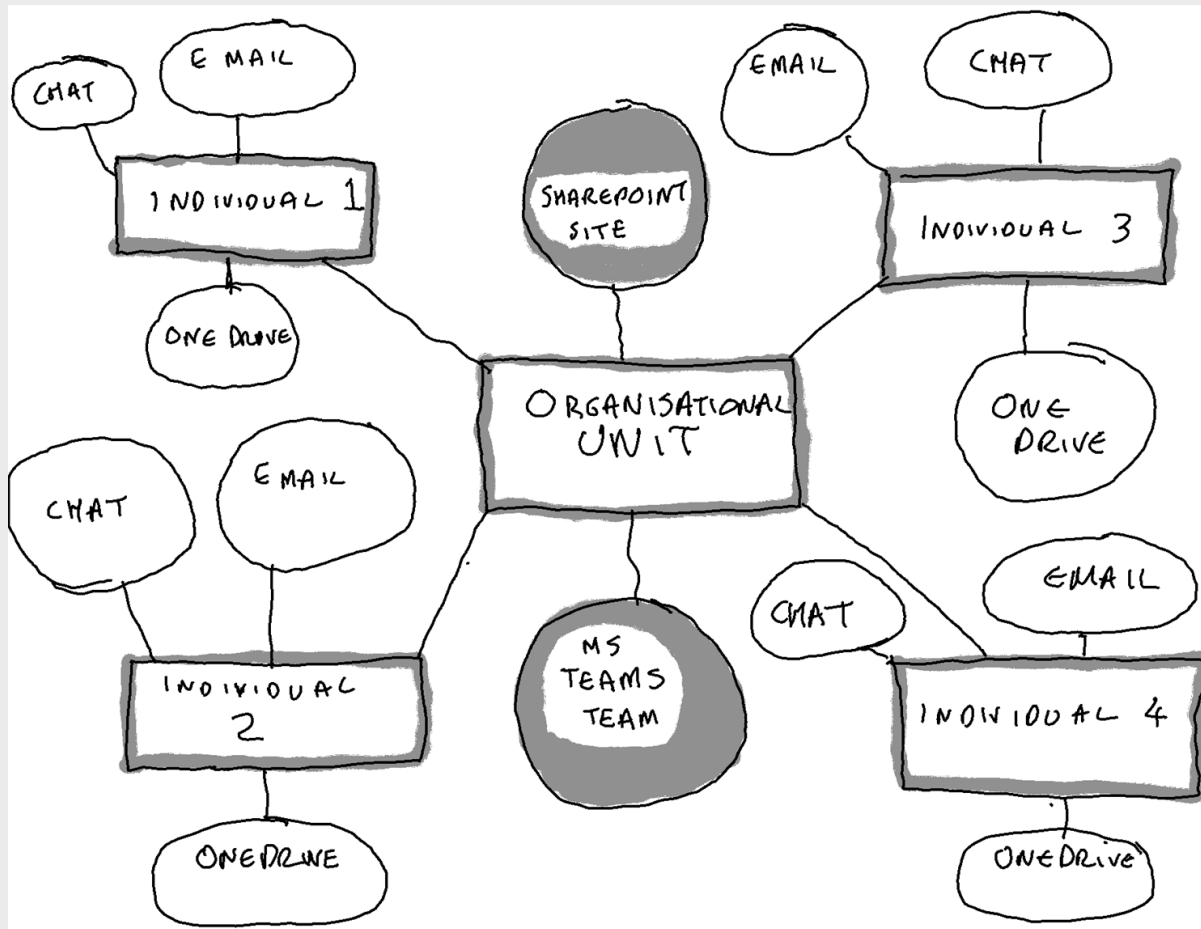
Principals and pathways for the application of AI to records management

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- **Aim of this presentation**
- Tasks for AI
- Relevant records management principles
- A pathway
- The use of AI within the pathway



Corporate digital systems have structures.

Those structures are used to apply predictable access rules and retention rules to content.

There is a need to identify and test pathways to enable more precise application of access and retention rules.

AI will be a component part of those pathways

This presentation sets out one potential pathway

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It would be beneficial to have an AI capability to group together aggregations (SharePoint sites, shared drive folders, email accounts etc.) that have arisen from an activity or a similar range of business activities).

It would be beneficial to have an AI capability to look at a given aggregation and group together items (documents, messages etc.) within it that have arisen from the same business activity.

It would be beneficial to have an AI capability to distinguish unsolicited, trivial, uncommunicated, personal and social content from business content

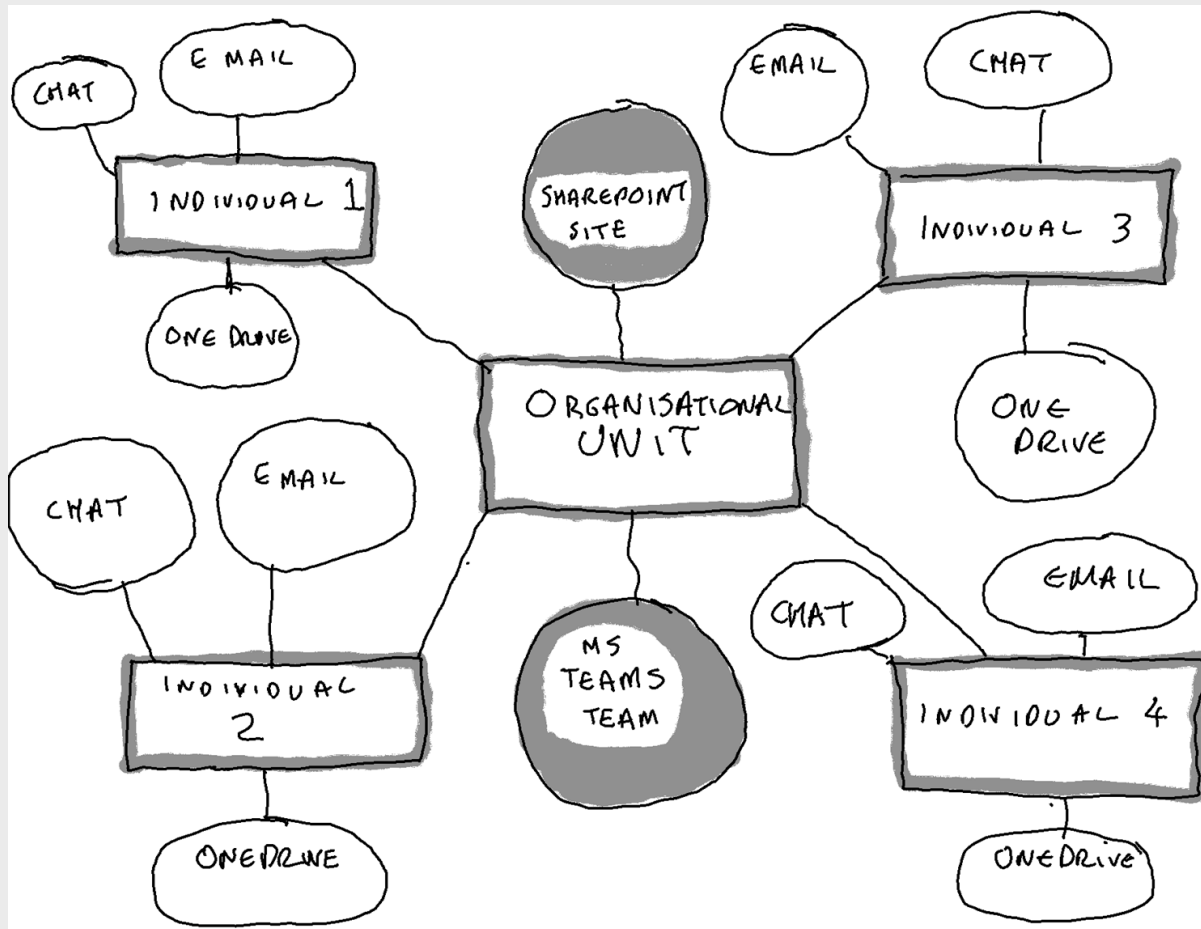
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Records management aims to preserve the context of records as well as the records themselves.

The sites/accounts in which records were created and received form part of the context of the records.

Good record systems enable an end-user to predict what will happen to their content over time.

Good record systems give end-users a broad idea of who is likely to be able to access their content and how long it will be kept.



Imagine a situation in which three different teams work separately on a particular policy issue. Each team has their own space/site in which they create and store content.

If AI was later to be used to merge content from the three shared spaces, then this would risk creating a false impression that there had existed a combined space in which those teams had shared content with each other.

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Pick the level of aggregation that will serve as the point of continuity between the structure that end-users worked in, and the improved structure that you will end up with.

It should preferably be the aggregation through which default access rules were applied. Examples include SharePoint sites, folders in shared drives and email accounts.

In the pathway AI can be deployed to:

- Create an overall classification of the aggregations (to group aggregations from similar activities together)
- Create sub-aggregations within those aggregations (like email accounts) that contain records of many different activities

In this pathway AI is not deployed to:

- Move items from one aggregation to another

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Data clustering algorithms could be used to map the proximity of different aggregations (sites, libraries, accounts) to each other.

This is a 'bottom-up' way of generate a classification framework that could enable:

- aggregations to be placed in context
- coherent retention decisions to be made across the digital heap

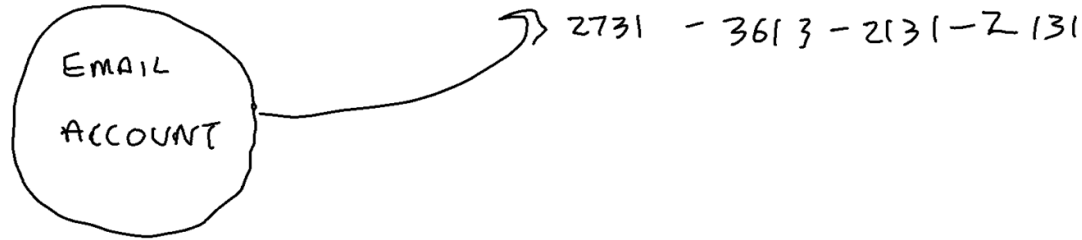
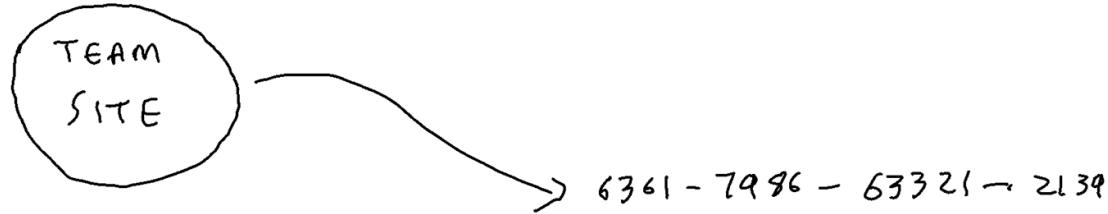
The rationale behind data clustering algorithms is as follows:

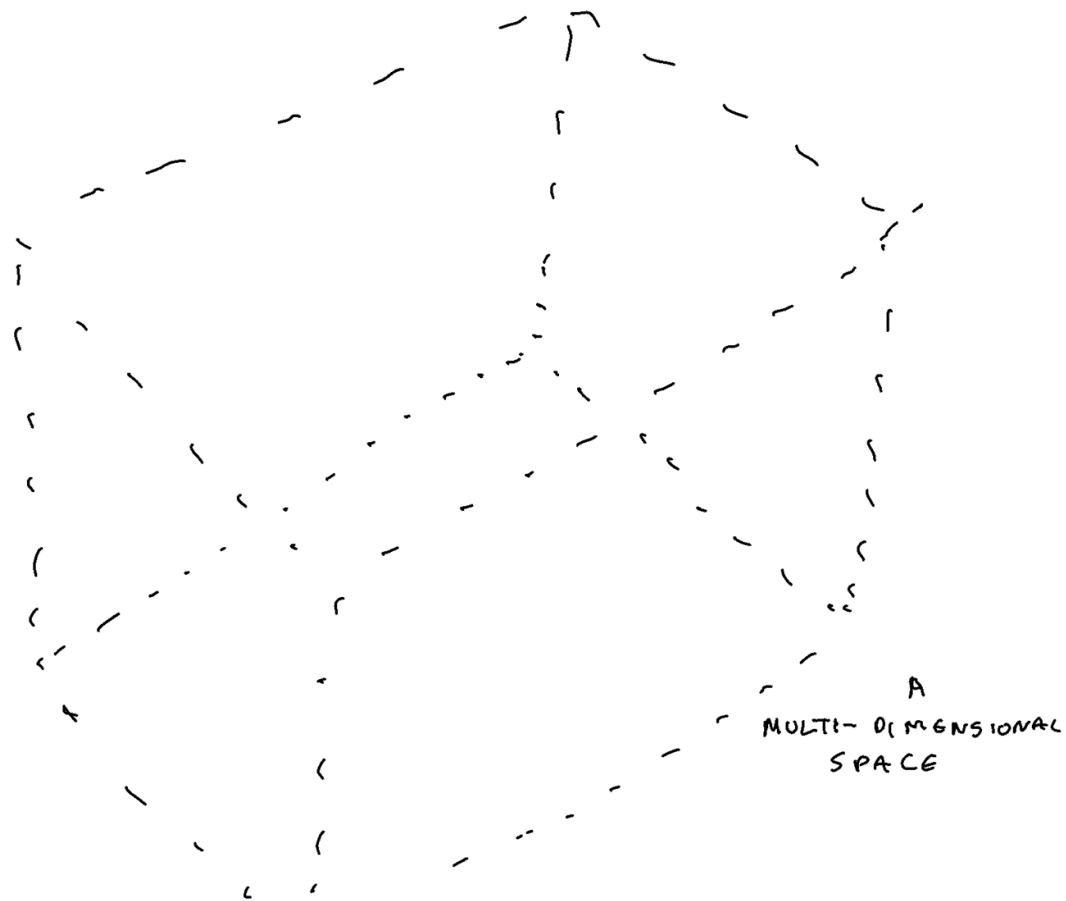
Given a set of data points, partition them into a set of groups which are as similar as possible.

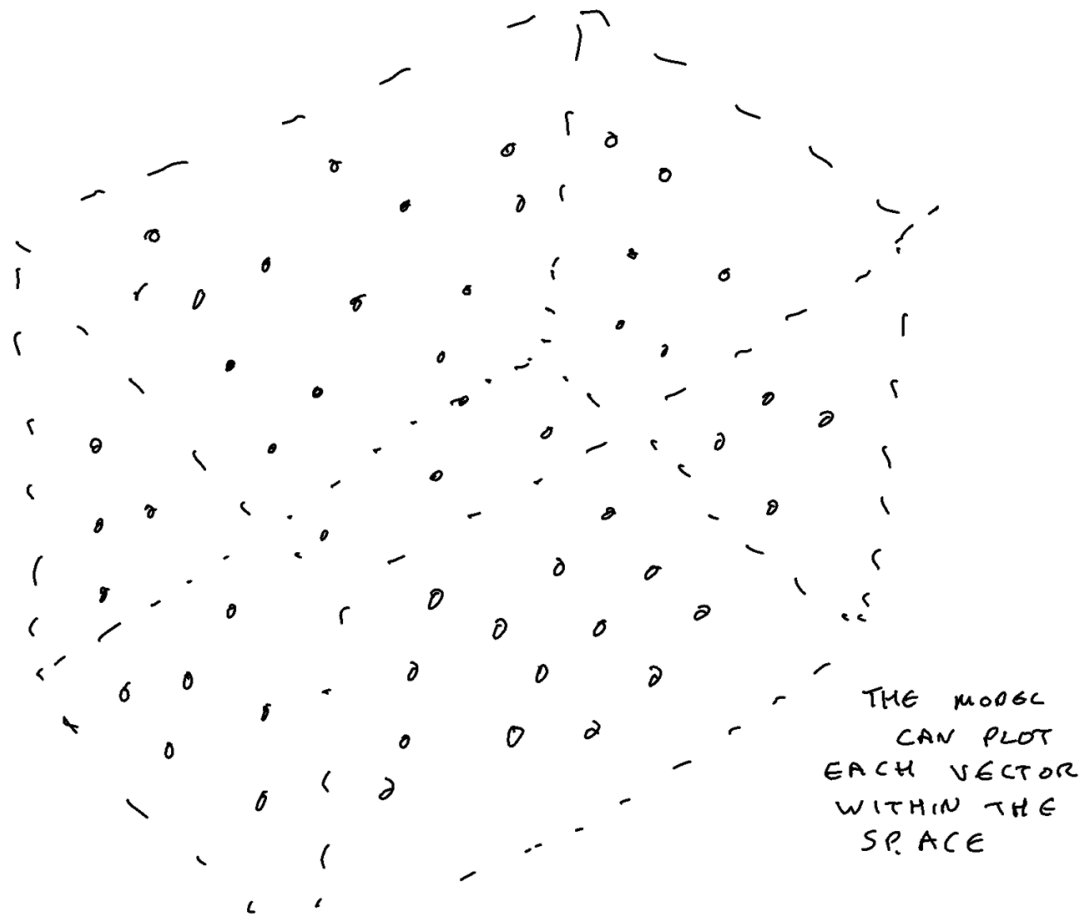
Data clustering algorithms require just as much supervision as any other approach to AI.

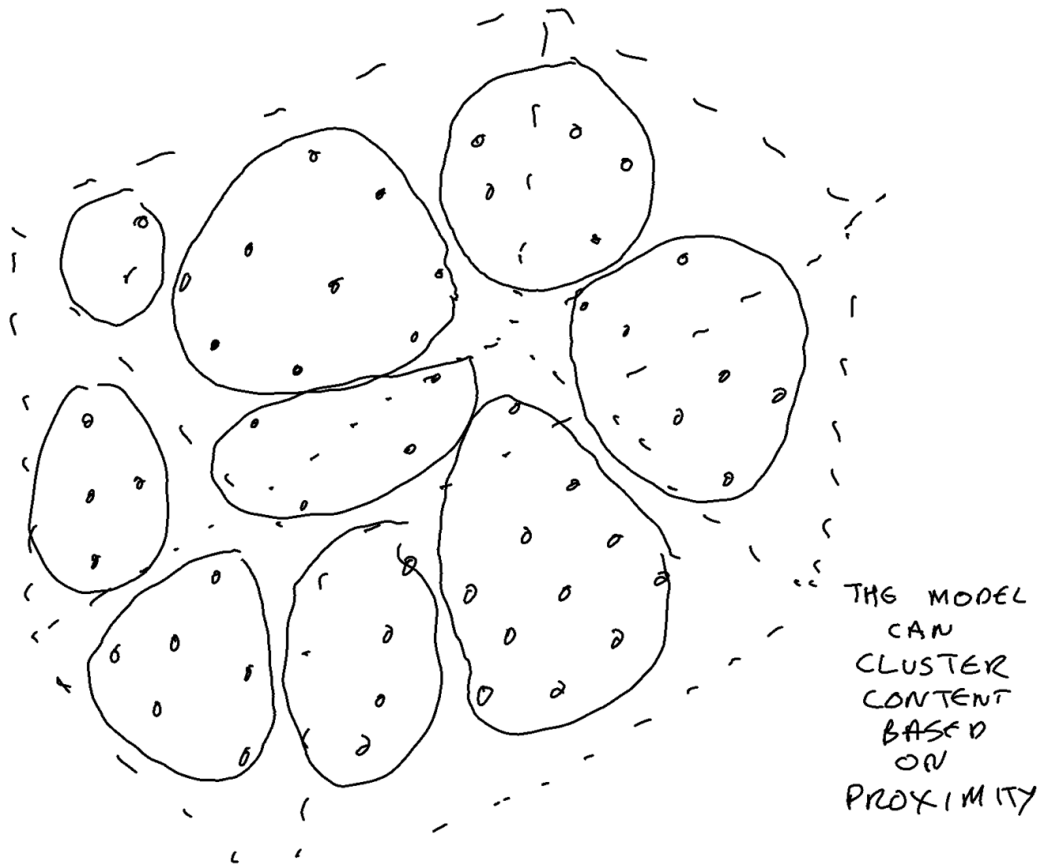
Any use of AI to change the basis on which access or retention rules are applied to records should take place under supervision by records professionals.

Aggregations of documents and messages can be turned into vectors

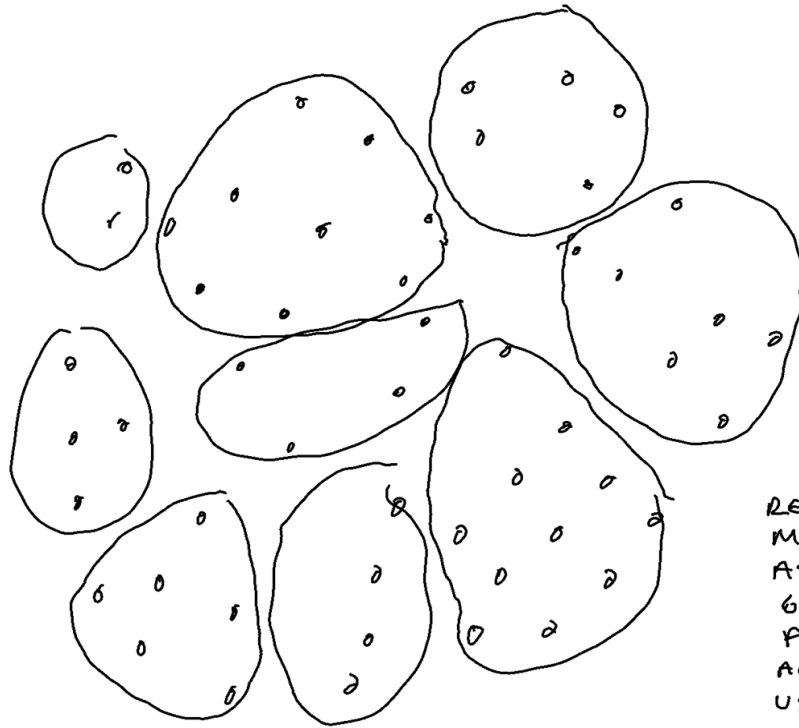








The aim is to arrive at groupings that bring together email accounts, team sites and/or teams that had arisen from a similar function or range of activities.



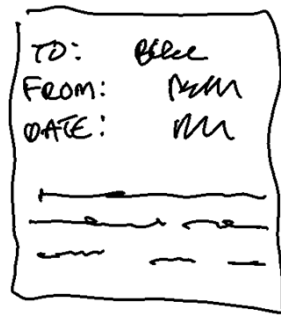
A
RECORDS
MANAGER CAN
ASSESS THE
GROUPINGS
FOR
ACCURACY AND
USEFULNESS

Data clustering algorithms could be used to create new clusters within problematic aggregations, such as email accounts.

DOCUMENTS AND MESSAGES CAN BE TURNED
INTO VECTORS

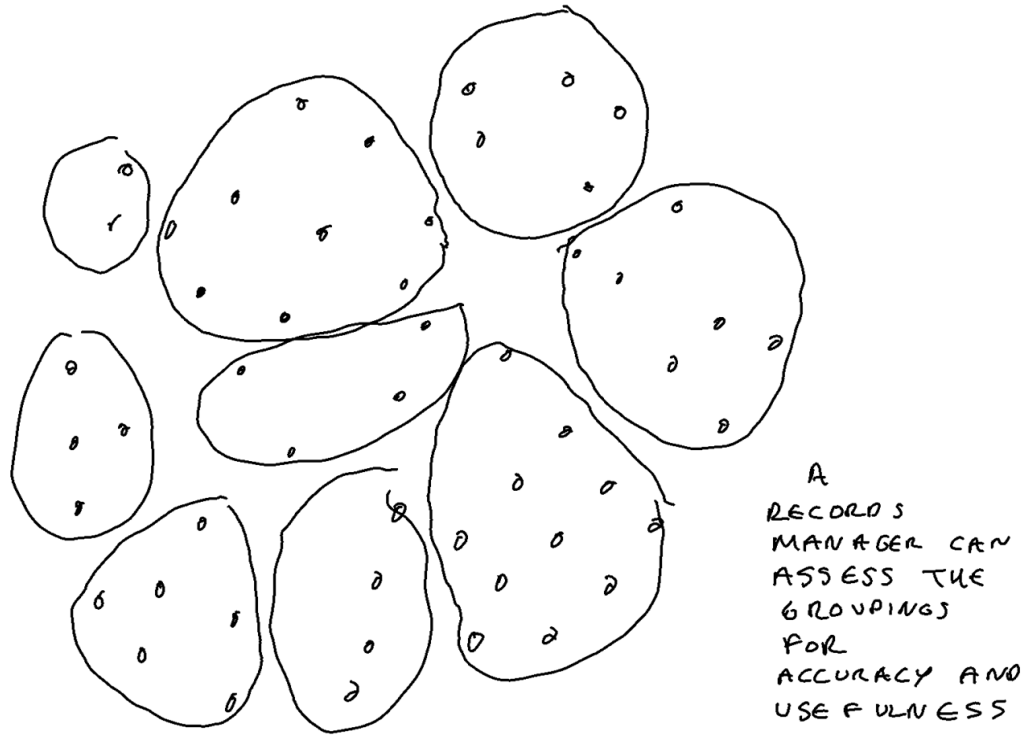


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Related correspondence within an email account could be clustered together under a common tag or classifier.



Related correspondence within an email account could be clustered together under a common tag or classifier.

This would support the filtration of trivial and social content from within individual accounts.

It would also offer a pathway for individuals to grant their successor-in-post access to business content within their individual account.



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