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MAT259: Doodle
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Concept

I want to explore how the popularity of items changes with time. I will map all items in the 780s (Music) of the Dewey system. The proposed mapping would look similar to the *Map of the Market* below, but it will take into account time (and the evolution thereof.) The x-axis will represent time, similar to the Google music genre visualization below, the y-axis will map the different subcategories in the Dewey system, and z will map the popularity (number of checkouts) for the specific point in time.

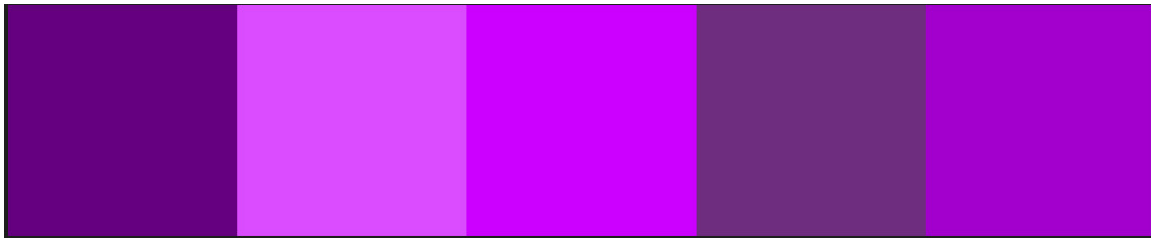
Query

Example query:

```
SELECT deweyClass, cout FROM inraw WHERE deweyClass LIKE '781%' AND  
(DATE(cout)>'2010-09-30' AND (DATE(cout)<'2010-10-31'))
```

Design

Color Scheme:



Labels:

X axis – “Time (months) for 2010”

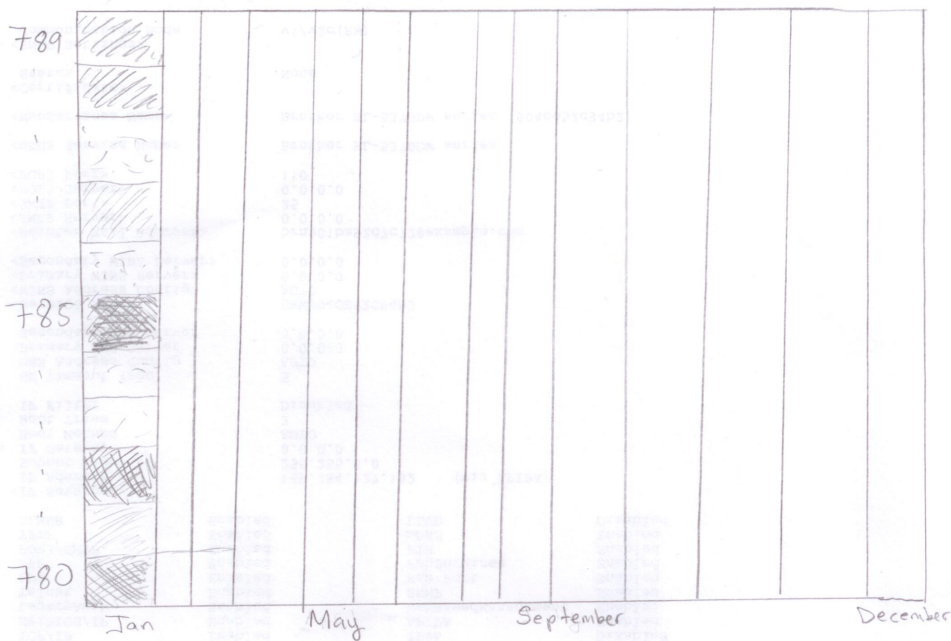
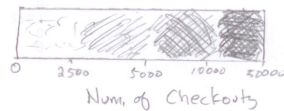
Y axis – “Dewey Number”

Z axis – “Number of Checkouts” with colorbar

Doodle:

Dewey System (780s - Music)

Music Item Checkouts in 2010



Time (months)

Map of the Market

Launch Map in Separate Window

