```
In [1]:
```

```python
import pandas as pd
import seaborn as sns
%matplotlib inline

pd.options.display.max_columns = 70
pd.options.display.max_rows = 20

top10_data_industry = pd.read_csv('top_10.csv', header = None)
top10_data_industry = top10_data_industry.transpose()

top10_data_industry.columns = top10_data_industry.iloc[0] # set column header
top10_data_industry = top10_data_industry.drop(0) # drop duplicated row
top10_data_industry = top10_data_industry.drop(1) # drop scores row
top10_data_industry = top10_data_industry.drop(8) # drop scores row

top10_data_industry['cat'] = "top 10" # create top/overall cat

top10_data_industry.rename(columns={'industry':'thermometer'}, inplace=True)

random_data = pd.read_csv('random_comma_data.csv', header = None)
random_data = random_data.transpose()

random_data.columns = random_data.iloc[0] # set column header
random_data = random_data.drop(0) # drop duplicated row
random_data = random_data.drop(1) # drop scores row
random_data = random_data.drop(8) # drop scores row

random_data['cat'] = "top 100" # create top/overall cat

random_data.rename(columns={'industry':'thermometer'}, inplace=True)

top10_data_industry
```

```
//anaconda/lib/python2.7/site-packages/matplotlib/__init__.py:872: UserWarning: axes.color_cycle is deprecated and replaced with a
  warnings.warn(self.msg_depr % (key, alt_key))
//anaconda/lib/python2.7/site-packages/IPython/core/interactiveshell.py:2902: DtypeWarning: Columns (1,2,3,4,5,6,7,8) have mixed t
  interactivity=interactivity, compiler=compiler, result=result)
```

```
Out[1]:
```

	thermometer	automotive-automotive-other	automotive-automotive-other	automotive-automotive-other	automotive-automotive-other	automotive-automotive-other	automotive-automotive-other	automotive-automotive-other
2	a_weighted_rating	0.800508673406529	0.899243370723261	0.617104285874213	1.0	0.996440454544235	0.840841115691487	0.84931235014502
3	a_visibility	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	a_spread	0.45	0.88	0.598076923076923	0.5	0.348245614035088	0.88	0.88
5	a_volume	0.45	0.275	0.675	0.475	0.475	0.6	0.65
6	a_time	1.0	0.285714285714286	1.0	0.642857142857143	1.0	0.821428571428571	1.0
7	a_length	0.708812260536399	0.461538461538462	0.459302325581395	0.736842105263158	0.192982456140351	0.628571428571429	0.75

6 rows × 600 columns

```
In [3]:
```

```python
import matplotlib.pyplot as plt

prev = None # print unique columns

for column in top10_data_industry:
    if column != "cat" and column != "thermometer" and column != prev:
        print column
        prev = column
        temp = pd.melt(top10_data_industry, id_vars=['thermometer', 'cat'], value_vars=[column])
        temp_random = pd.melt(random_data, id_vars=['thermometer', 'cat'], value_vars=[column])
        result = temp.append(temp_random)
        result['value'] = result['value'].astype(float)
        sns.set()
        sns.set_context("paper")
        sns.barplot(x="thermometer", y="value", hue='cat', data=result)
        plt.show()
```
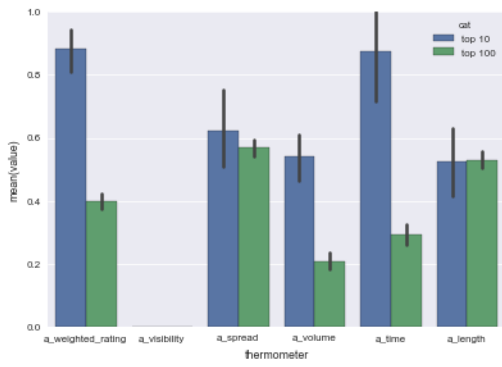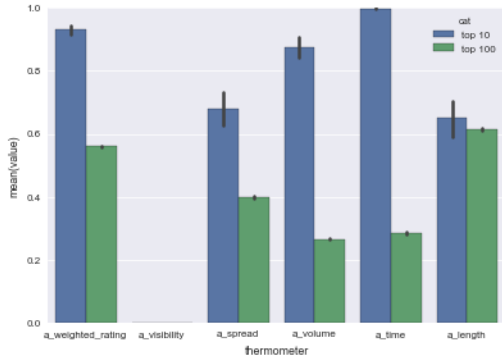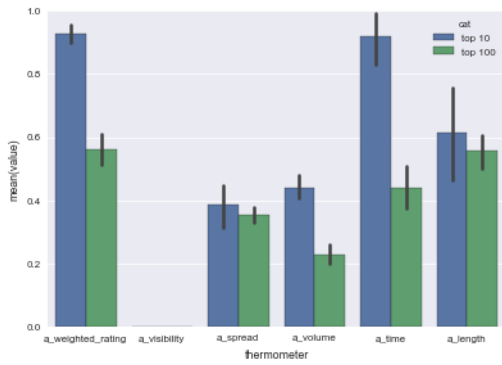
```
automotive-automotive-other
```

```
//anaconda/lib/python2.7/site-packages/matplotlib/__init__.py:892: UserWarning: axes.color_cycle is deprecated and replaced with axes.prop_cycle; please use the latter.
  warnings.warn(self.msg_depr % (key, alt_key))
```
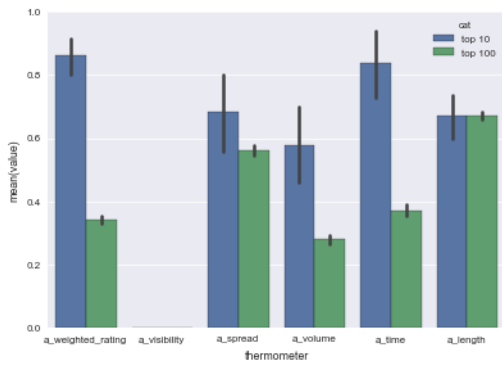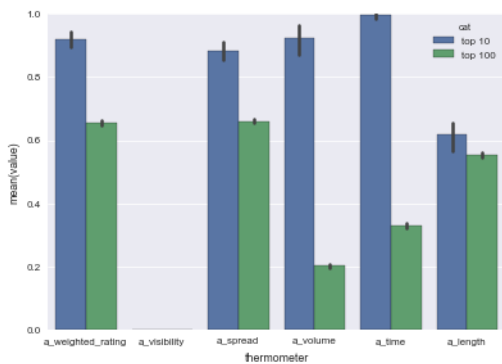
automotive-dealer
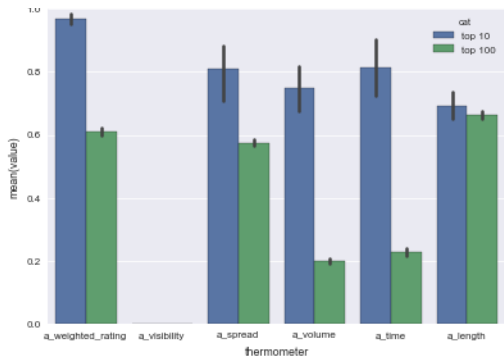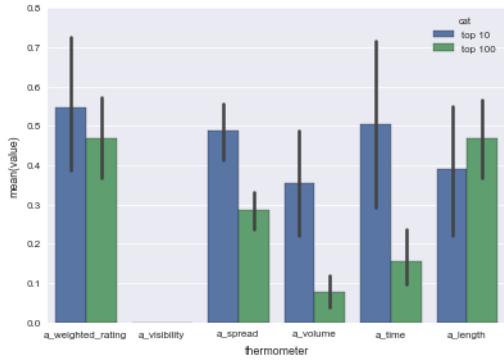

automotive-oem

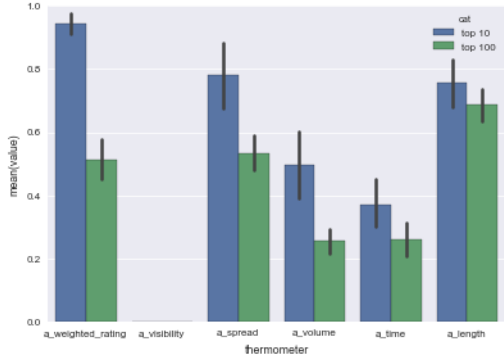automotive-parts

automotive-rental
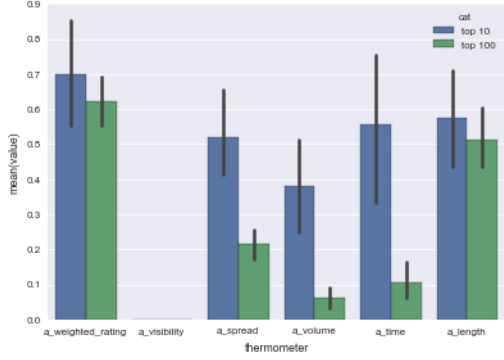

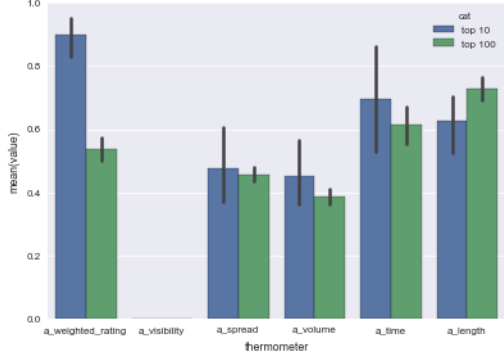automotive-repair-&-service
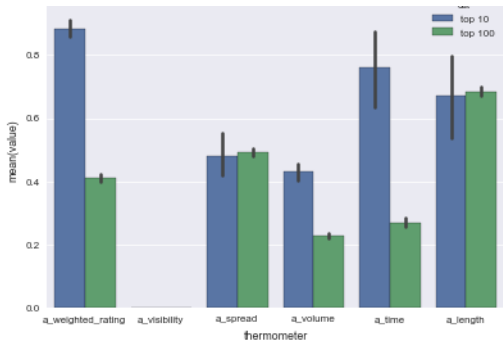
automotive-tires

beauty-beauty-other

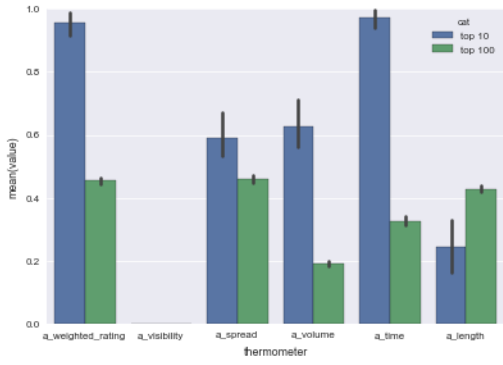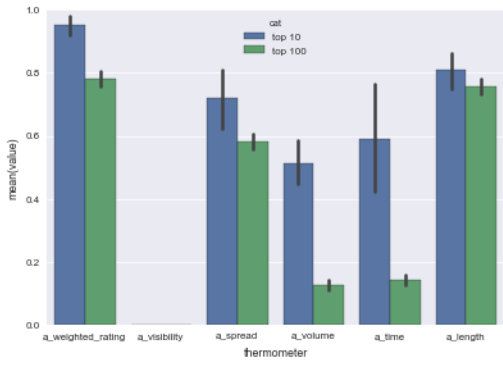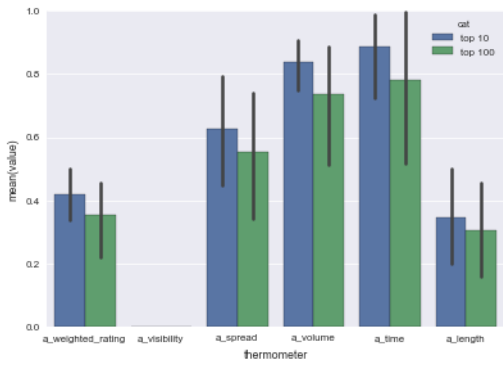beauty-hair-grooming

beauty-skin-care
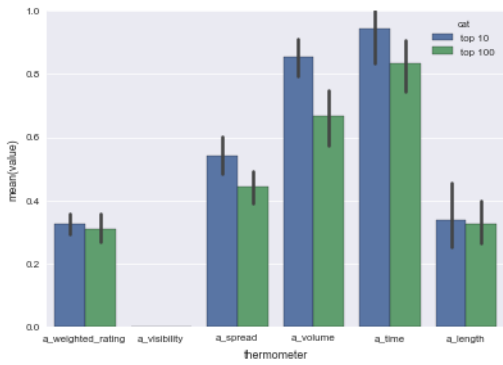

beauty-spa

default-default

education-education-other
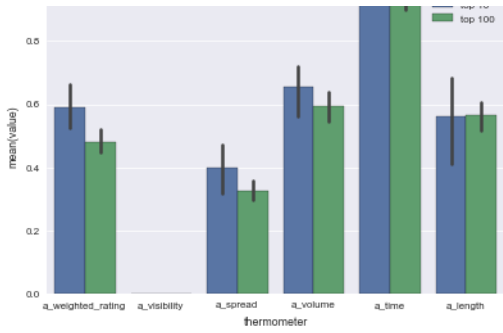

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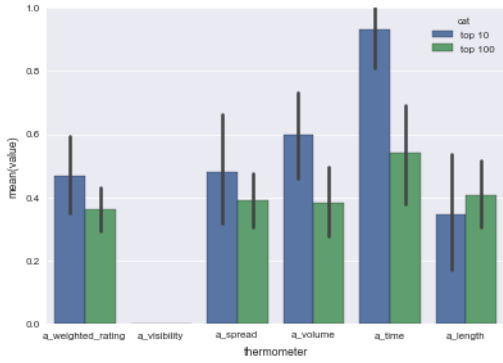

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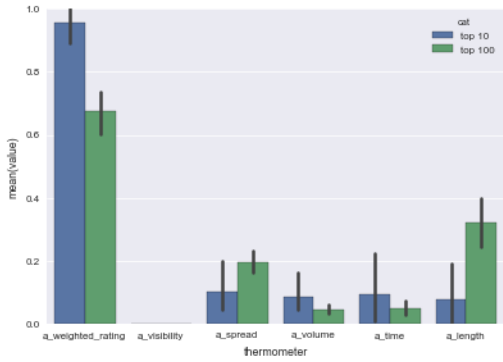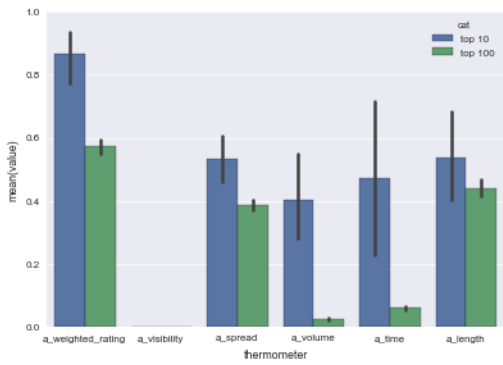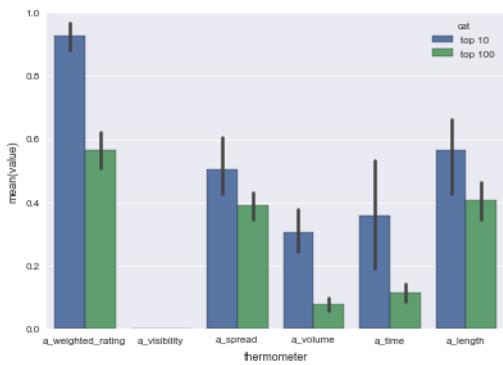

entertainment-museums-and-parks

entertainment-other

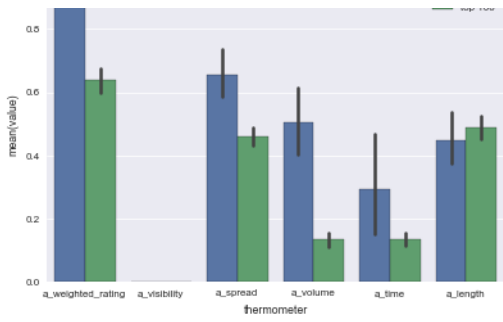
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financial-services-banks

financial-services-financial-services-other

financial-services-insurance

health-care-dentists
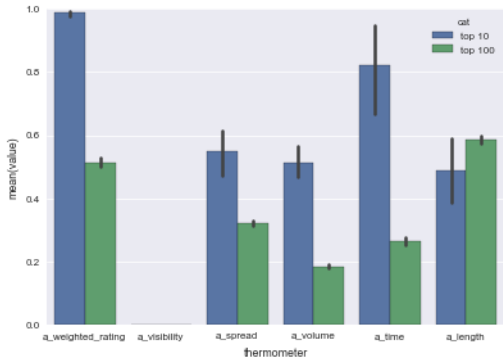
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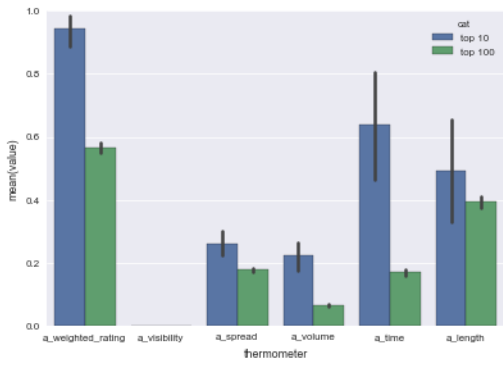
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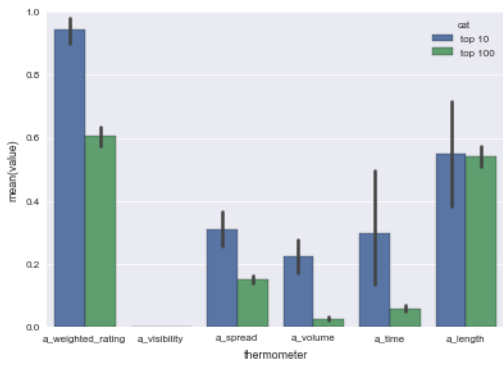
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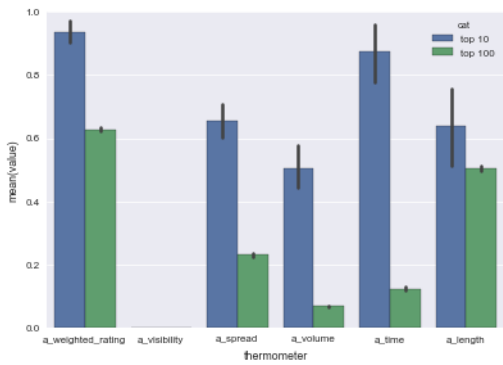
health-care-medical-spa
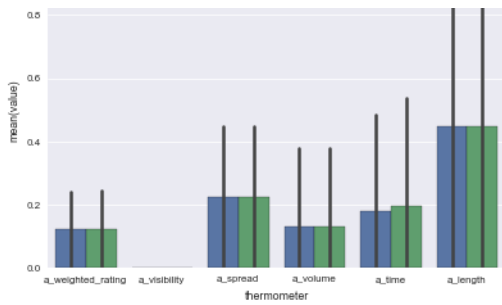
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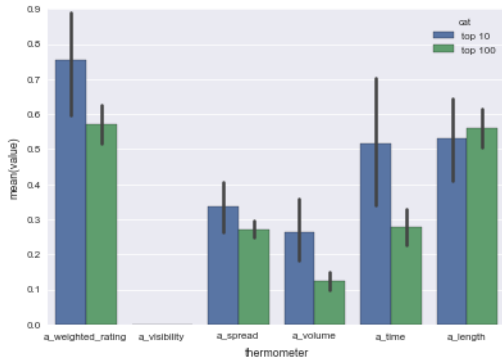
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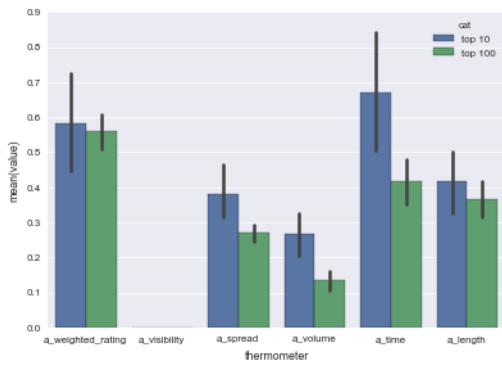
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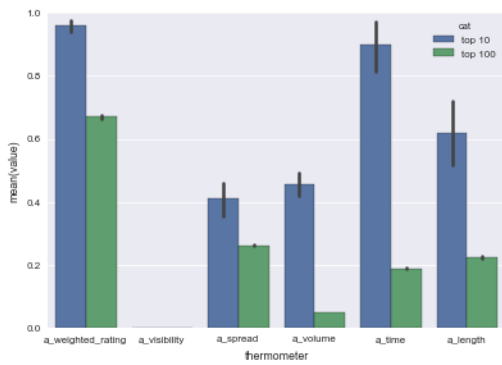
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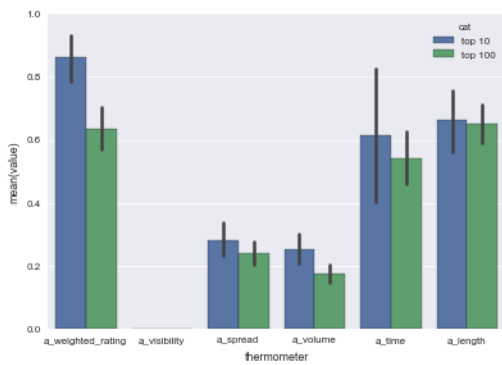
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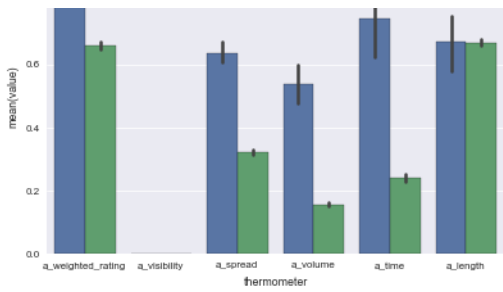
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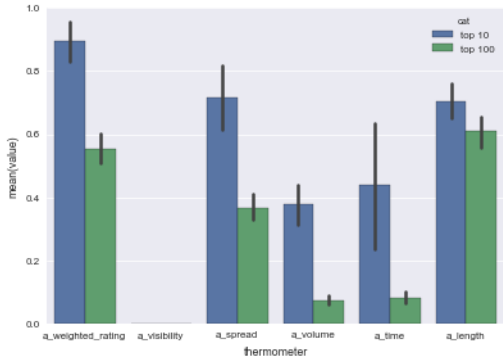
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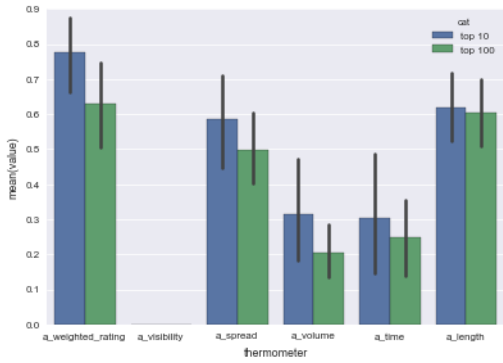
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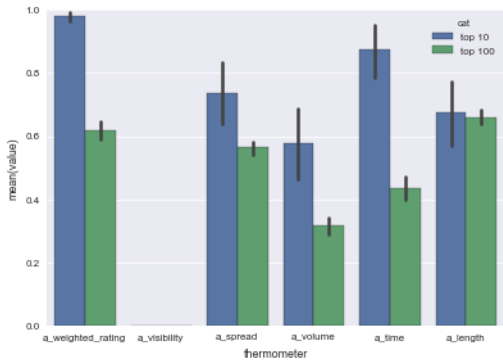
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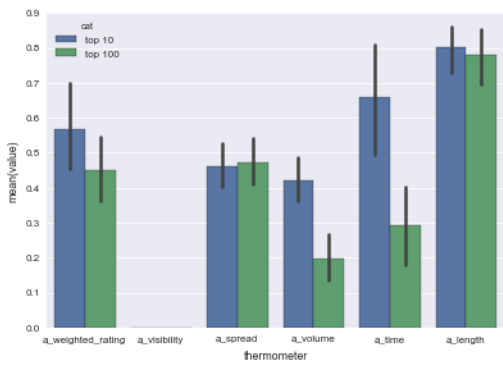
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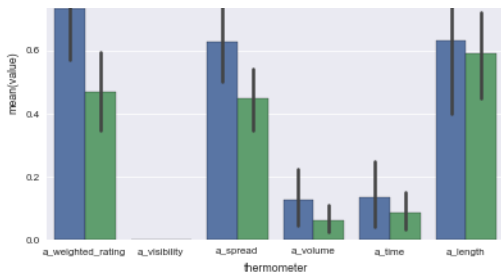
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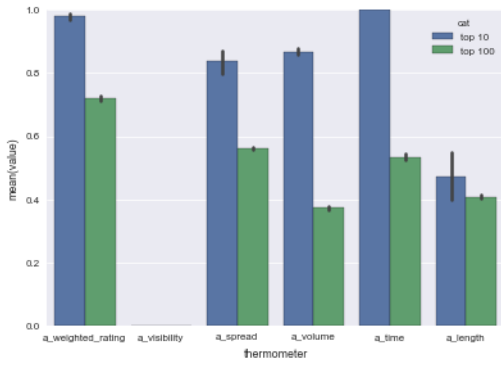
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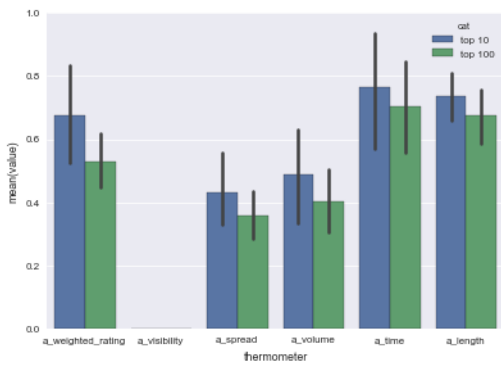
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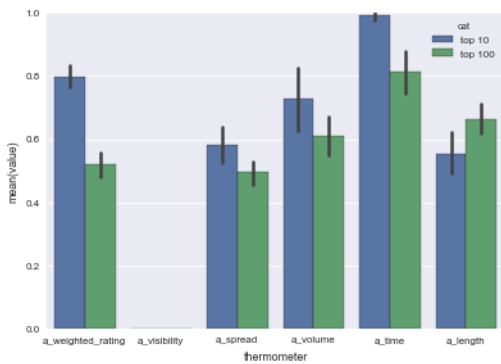
hospitality-&-travel-hotel-&-motel
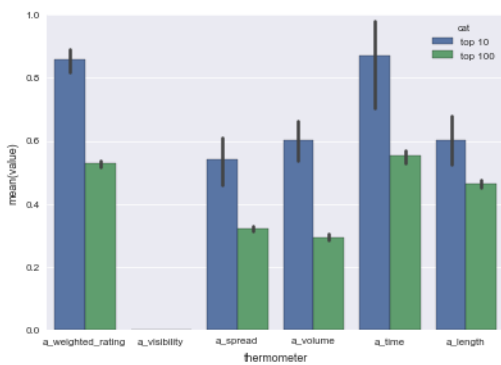
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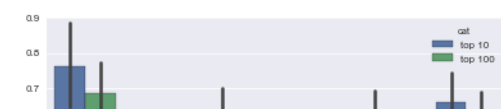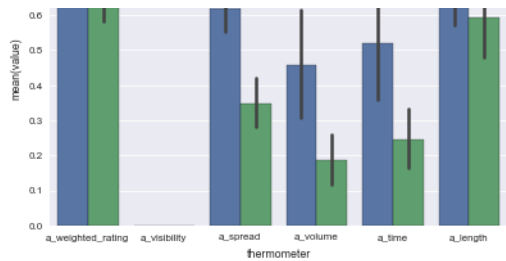
legal-legal-other
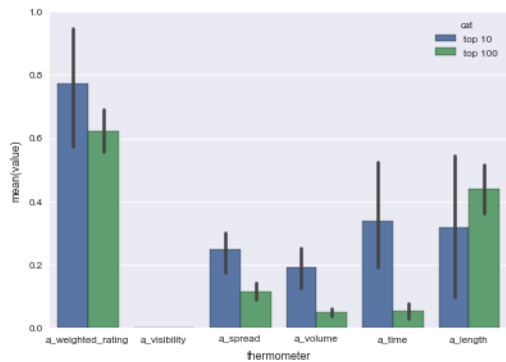
pets-pet-services
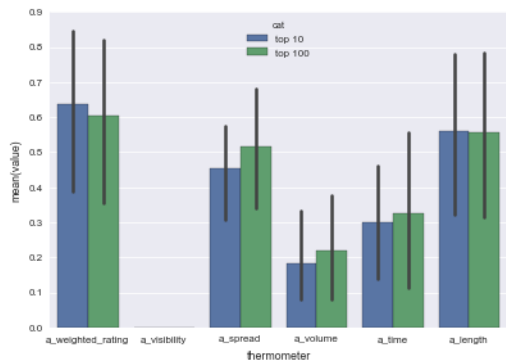
pets-pets-other
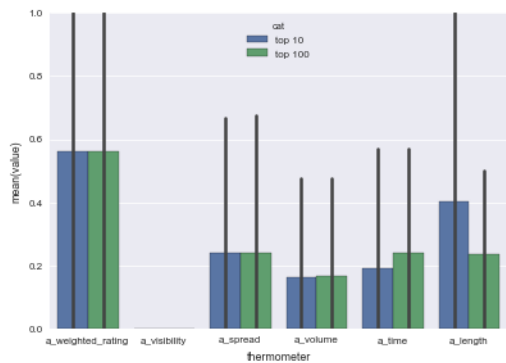
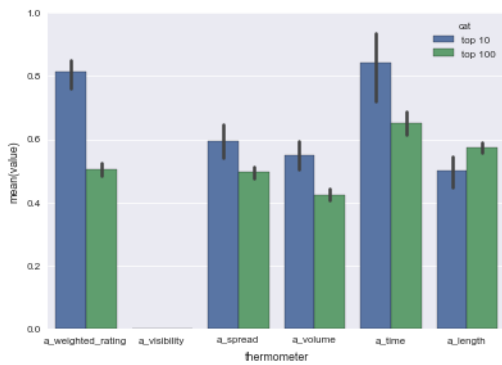## pets-veterinarians
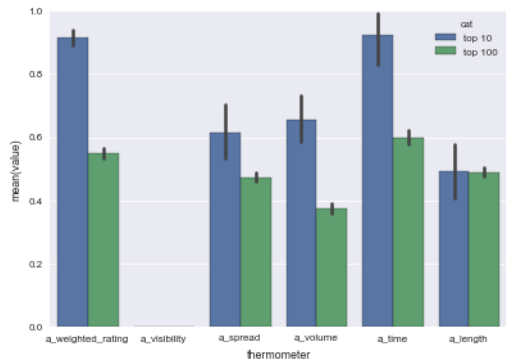
real-estate-mortgage
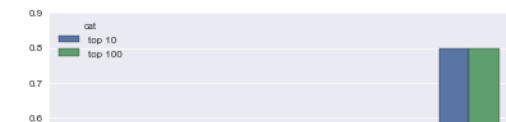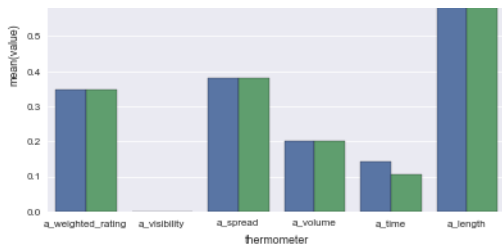
real-estate-property-management
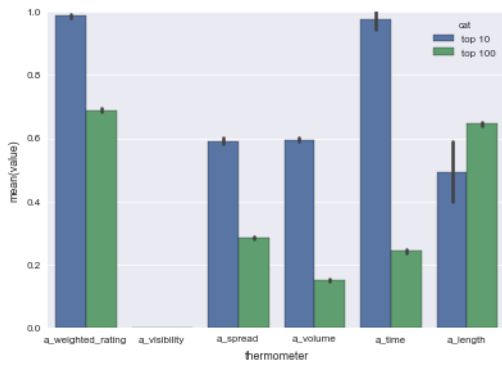
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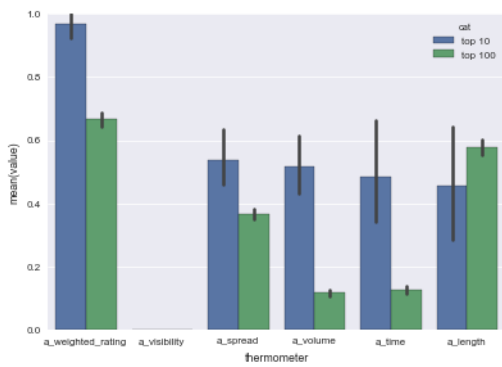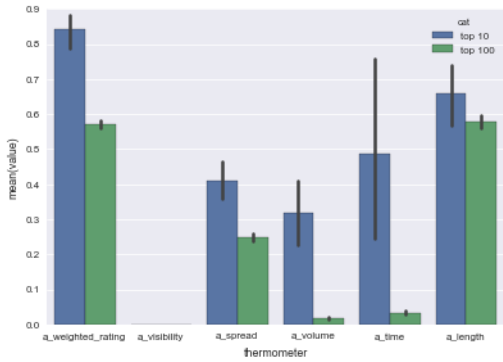

real-estate-real-estate-other
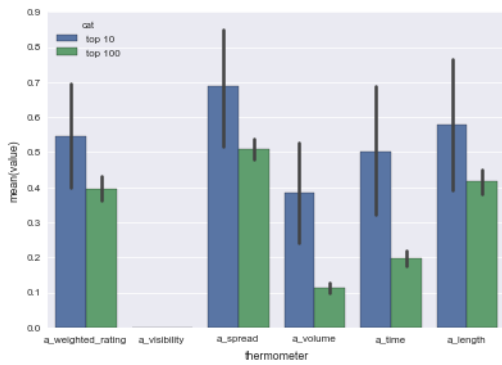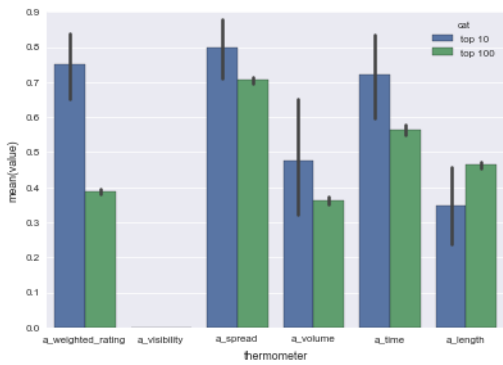

restaurants-carry-out

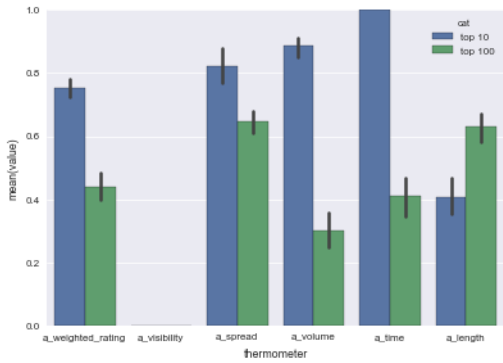restaurants-fast-food
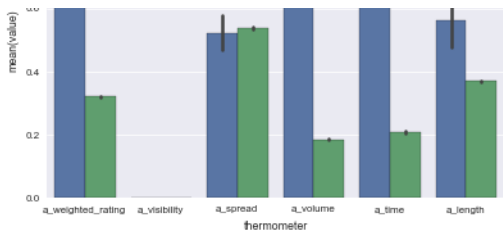
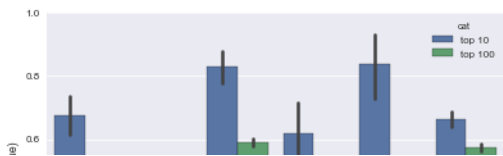## restaurants-fine-dining

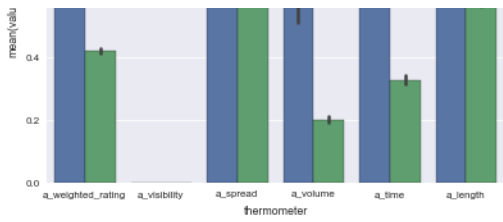## restaurants-restaurants-other
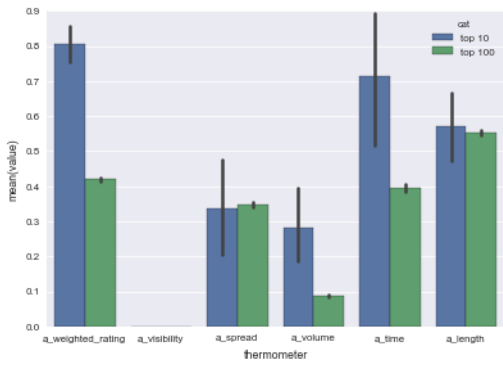
retail-big-box
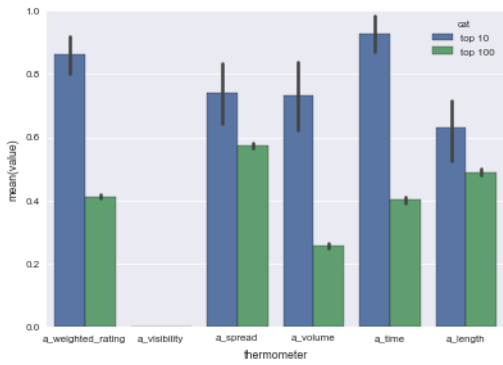

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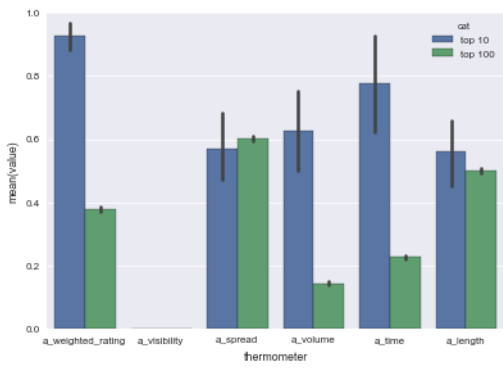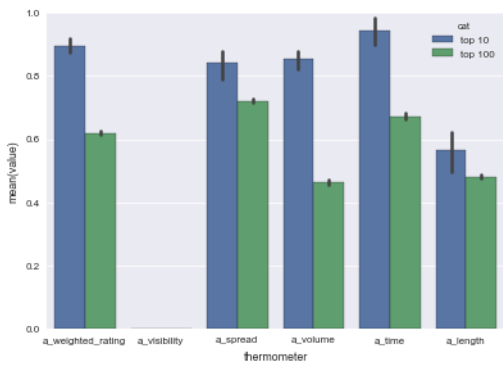

retail-retail-clothing
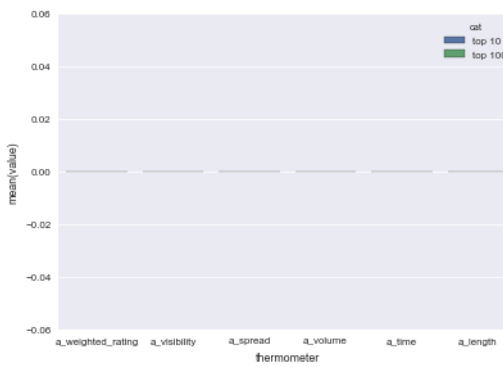
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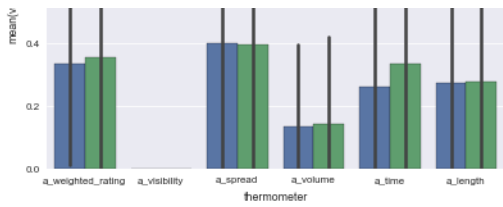

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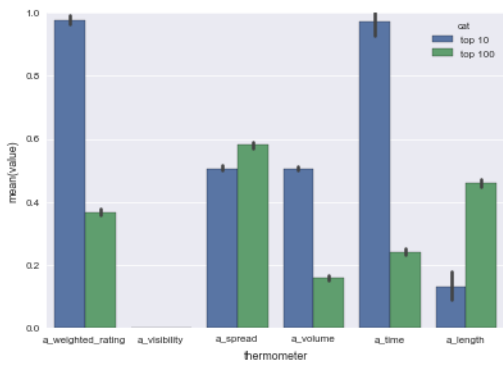

retail-supermarkets

technology-electronics

technology-internet-service-provider

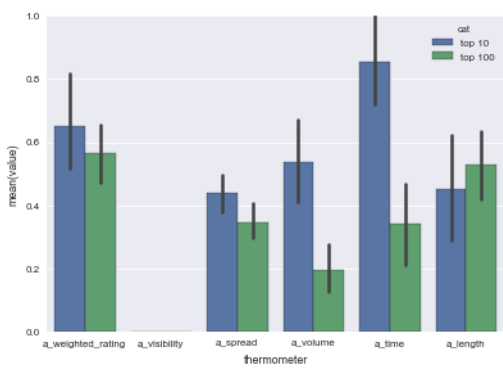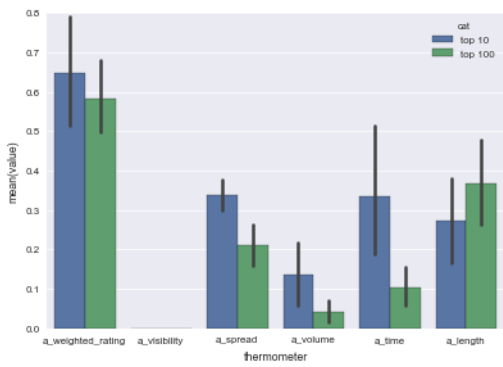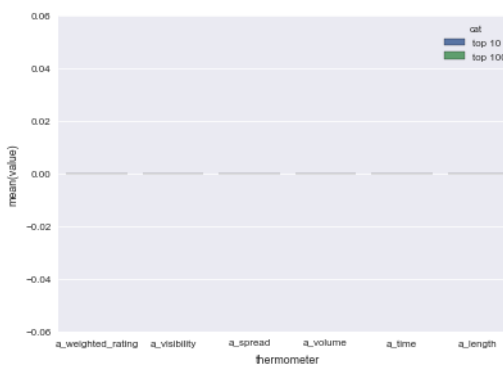## technology-mobile-provider

technology-technology-other
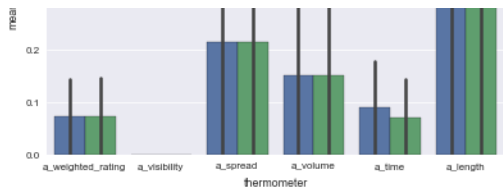

uk-take-away-food-supplier

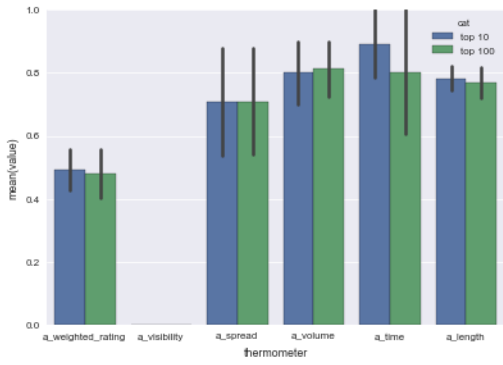## wedding-&-special-events-entertainers

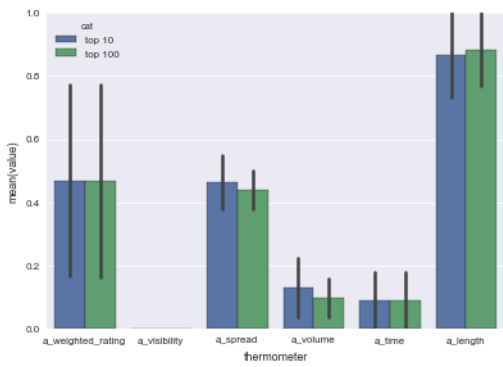## wedding-&-special-events-event-planners

wedding-&-special-events-party-venues

wedding-&-special-events-wedding-&-special-events-other

In [ ]: