

**JECRC University, Jaipur**

**School of Computer Science**

A Synopsys of

Minor Project on

**Thanksgiving Analysis**

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**Objective**

Our main objective in this project is to develop a Data Analysis model that will be finding the pattern of what Americans prefer to do during Thanksgiving.

**Introduction**

Data have various patterns in them and Data analysis tools help in finding this pattern out of data to perform various operations.Thanksgiving is an special occasion in America where they perform various rituals to celebrate it. In 2015, a survey carried out to find this rituals and recorded in dataset. Using that dataset we are trying to get familiar with Thanksgiving rituals.

**Project Requirements**

**Hardware Requirements:**

* Windows XP or above OR Mac-OS X 10.5.8 or above
* RAM - 2 GB or above
* Hard Disk - 500 GB
* Processor – Pentium 4 or above

**Software Requirements:**

* Text Editor – Sublime/Brackets/Notepad++ etc.
* Anaconda Navigator
* Python 3.5+
* pandas module(0.20+)
* MS-Excel
* Active Internet Connection

**Project Structure**

Using a SurveyMonkey poll, we asked 1,058 respondents on Nov. 17, 2015 the following questions about their Thanksgiving:

**Do you celebrate Thanksgiving?**

**What is typically the main dish at your Thanksgiving dinner?**

Other (please specify)

How is the main dish typically cooked?

Other (please specify)

What kind of stuffing/dressing do you typically have?

Other (please specify)

What type of cranberry sauce do you typically have?

Other (please specify)

Do you typically have gravy?

Which of these side dishes are typically served at your Thanksgiving dinner? Please select all that apply.

Brussel sprouts

Carrots

Cauliflower

Corn

Cornbread

Fruit salad

Green beans/green bean casserole

Macaroni and cheese

Mashed potatoes

Rolls/biscuits

Vegetable salad

Yams/sweet potato casserole

Other (please specify)

**Which type of pie is typically served at your Thanksgiving dinner? Please select all that apply.**

Apple

Buttermilk

Cherry

Chocolate

Coconut cream

Key lime

Peach

Pecan

Pumpkin

Sweet Potato

None

Other (please specify)

**Which of these desserts do you typically have at Thanksgiving dinner? Please select all that apply.**

Apple cobbler

Blondies

Brownies

Carrot cake

Cheesecake

Cookies

Fudge

Ice cream

Peach cobbler

None

Other (please specify)

**Do you typically pray before or after the Thanksgiving meal?**

**How far will you travel for Thanksgiving?**

**Will you watch any of the following programs on Thanksgiving? Please select all that apply.**

Macy's Parade

**What's the age cutoff at your "kids' table" at Thanksgiving?**

**Have you ever tried to meet up with hometown friends on Thanksgiving night?**

**Have you ever attended a "Friendsgiving?"**

**Will you shop any Black Friday sales on Thanksgiving Day?**

**Do you work in retail?**

**Will you employer make you work on Black Friday?**

**How would you describe where you live?**

**Age**

**What is your gender?**

**How much total combined money did all members of your HOUSEHOLD earn last year?**

**US Region**

**Conclusion**

Python is very powerful object oriented high level programming language. We used it features to develop a Data Analysis model that fetched the pattern of Thanksgiving rituals in America. Pandas is a very powerful data processing module of Python which is used to develop this model.

**Bibliography**

* **[https://pandas.pydata.org](https://pandas.pydata.org/)**
* <https://www.python.org/>