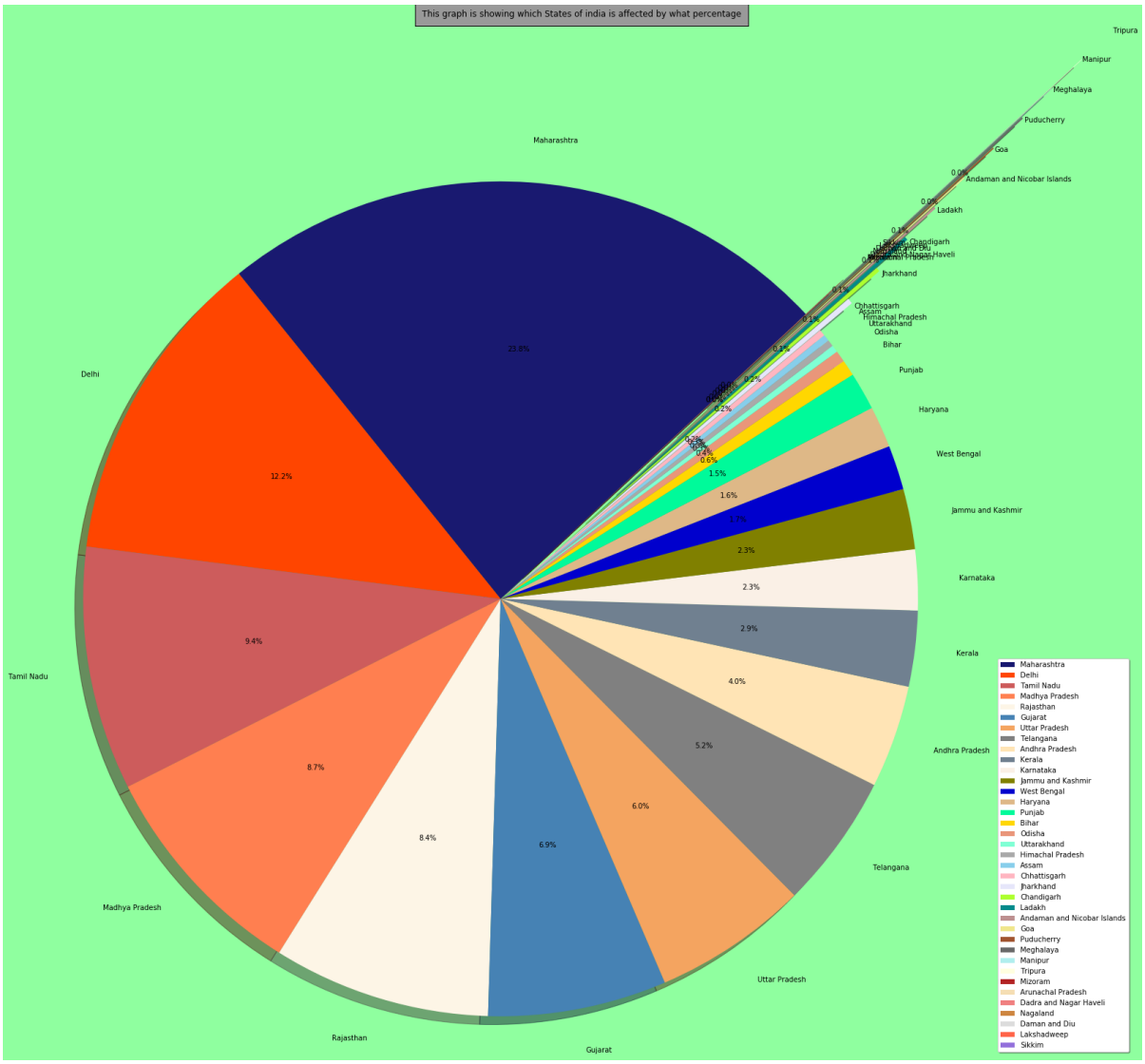
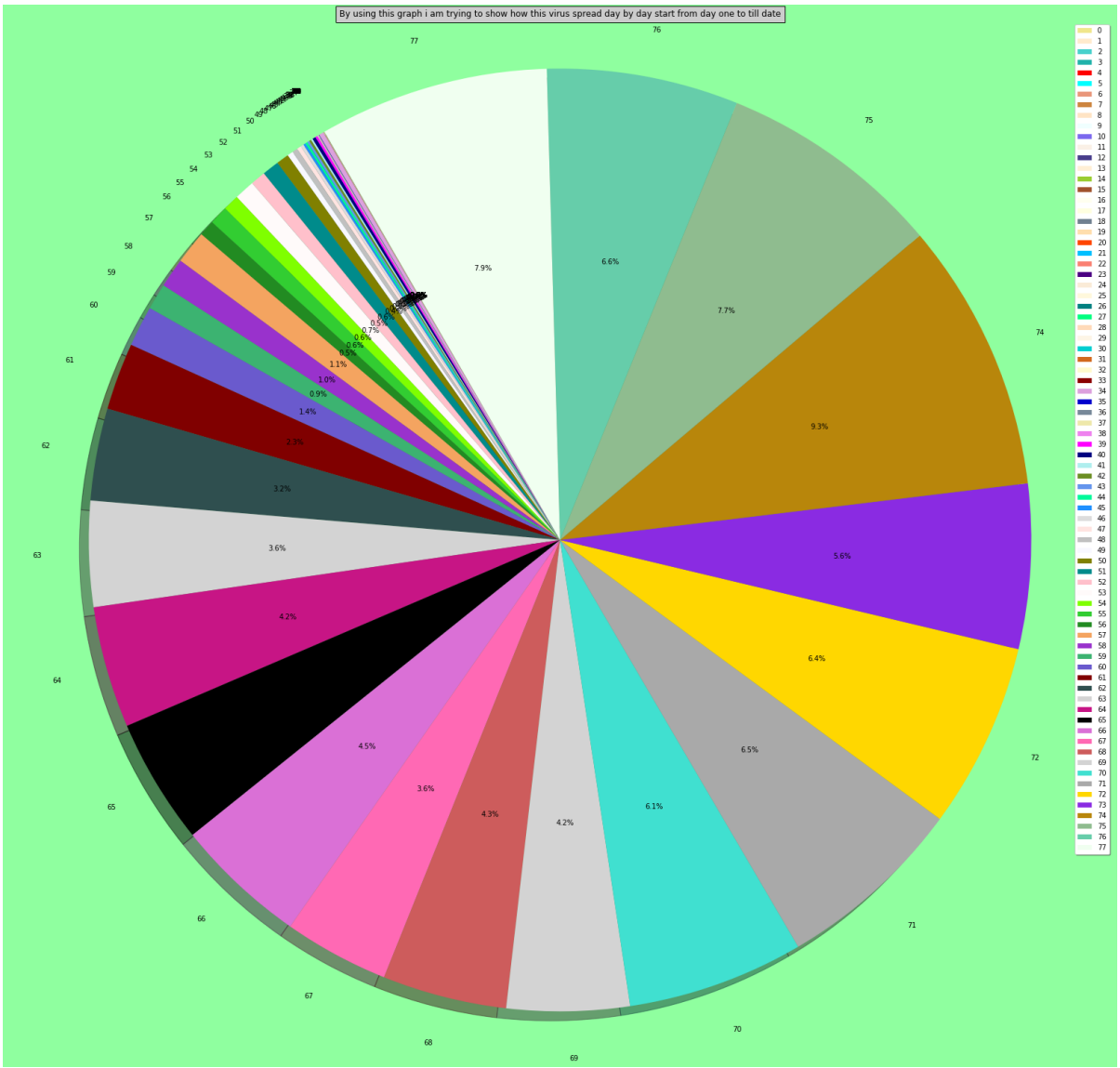
In [100]:
```
import requests
from pandas.io.json import json_normalize
URL = "https://api.covid19india.org/data.json"
data = requests.get(url=URL).json()
covid19_df = json_normalize(data['statewise'])
T='This graph is showing which States of india is affected by what percentage'
explode = (0, 0, 0, 0, 0, 0, 0, 0,0,0,0,0,0,0,0,0,0,0,0,0,0.1,0.2,0.3,0.4,0.
5,0.6,0.7,0.8,0.9,0.1,0.10,0.11,0.12,0.13,0.14,0.15)
labels=covid19_df['state'][covid19_df["state"]!='Total']

for val in range(2):
    colors = sample(all_colors, len(labels))
fig = plt.figure(figsize=(28,27))
fig.patch.set_facecolor('xkcd:mint green')

size=covid19_df['confirmed'][covid19_df["state"]!='Total']
plt.pie(size,explode=explode, labels=labels, colors=colors,autopct='%1.1f%%',s
hadow=True,startangle=43)
plt.legend(labels, loc="best",shadow=True)
plt.axis('equal')
plt.title(T,bbox={'facecolor':'0.6', 'pad':10})
plt.show()
covid19_df.tail()
```



Out[100]:

	active	confirmed	deaths	deltaconfirmed	deltadeaths	deltarecovered	lastupdatedtime	recc
33	1	1	0	0	0	0	06/04/2020 15:22:25	
34	1	1	0	0	0	0	12/04/2020 23:35:29	
35	0	0	0	0	0	0	26/03/2020 07:19:29	
36	0	0	0	0	0	0	26/03/2020 07:19:29	
37	0	0	0	0	0	0	26/03/2020 07:19:29	

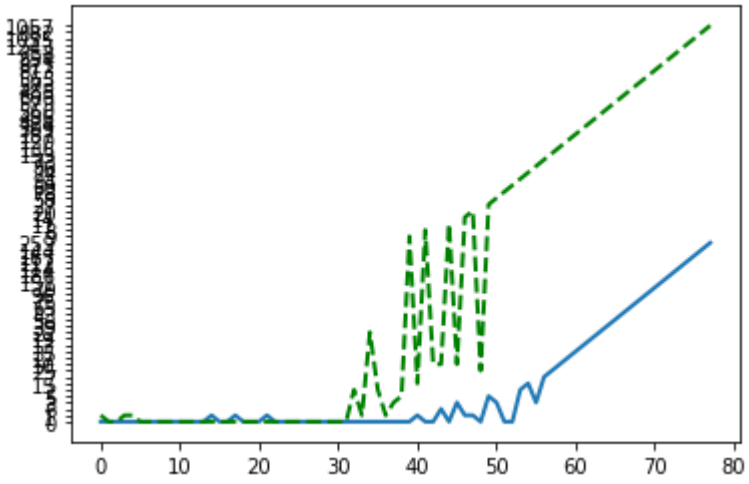
In [92]:
```
import requests
import matplotlib.pyplot as plt
from random import sample
import matplotlib.colors as pltc
all_colors = [k for k,v in pltc.cnames.items()]
from pandas.io.json import json_normalize


URL = "https://api.covid19india.org/data.json"
data = requests.get(url=URL).json()
covid19_df = json_normalize(data['cases_time_series'])

T='By using this graph i am trying to show how this virus spread day by day st
art from day one to till date'
labels=covid19_df.index


for val in range(2):
    colors = sample(all_colors, len(labels))
fig = plt.figure(figsize=(28,27))
fig.patch.set_facecolor('xkcd:mint green')
plt.pie(covid19_df['dailyconfirmed'], labels=labels, colors=colors,autopct='%
1.1f%%',shadow=True,startangle=120)
plt.legend(labels, loc="best",shadow=True)
plt.axis('equal')
plt.title(T,bbox={'facecolor':'0.8', 'pad':5})
plt.show()

covid19_df.tail()
```



Out[92]:

	dailyconfirmed	dailydeceased	dailyrecovered	date	totalconfirmed	totaldeceased	totalrecov
73	758	42	114	12 April	9212	334	
74	1243	27	112	13 April	10455	361	
75	1035	37	167	14 April	11490	398	
76	882	27	144	15 April	12372	425	
77	1059	26	259	16 April	13431	451	

In [63]:
```
plt.plot(covid19_df.index,covid19_df['dailyrecovered'] , linewidth=2, markersi
ze=12)
plt.plot(covid19_df.index, covid19_df['dailyconfirmed'], color='green', linest
yle='dashed',linewidth=2, markersize=2)
plt.show()
```



In [ ]: