Worksheet 1

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```r
library(readr)
library(dplyr)
library(kableExtra)

covid.states <- read_csv("states.csv")

#dim(covid.states)
#colnames(covid.states)
#covid.states$state

tab1=covid.states[, c("state", "population", "actuals.cases", "actuals.deaths", "actuals.hospitalBeds.cu

print(tab1)
```

```
## # A tibble: 53 x 5
##     state population actuals.cases actuals.deaths actuals.hospitalBeds.currentUs~
##     <chr>      <dbl>         <dbl>          <dbl>                           <dbl>
##  1 AK        731545         80656            391                             132
##  2 AL       4903185        638821          11832                            2780
##  3 AR       3017804        422866           6539                            1443
##  4 AZ       7278717        969182          18467                            1796
##  5 CA      39512223       4243746          64727                            7852
##  6 CO       5758736        596918           7205                             632
##  7 CT       3565287        363474           8307                             355
##  8 DC        705749         52843           1151                             115
##  9 DE        973764        114912           1840                             168
## 10 FL      21477737       2951228          41130                           16841
## # ... with 43 more rows
```

```r
kable(tab1)
```

state	population	actuals.cases	actuals.deaths	actuals.hospitalBeds.currentUsageCovid
AK	731545	80656	391	132
AL	4903185	638821	11832	2780
AR	3017804	422866	6539	1443
AZ	7278717	969182	18467	1796
CA	39512223	4243746	64727	7852
CO	5758736	596918	7205	632
CT	3565287	363474	8307	355
DC	705749	52843	1151	115
DE	973764	114912	1840	168
FL	21477737	2951228	41130	16841
GA	10617423	1251359	21343	5023
HI	1415872	50180	549	335
IA	3155070	390978	6210	486
ID	1787065	210395	2261	369
IL	12671821	1474807	26144	1919
IN	6732219	809062	14173	1491
KS	2913314	351554	5427	682
KY	4467673	522990	7511	1666
LA	4648794	631837	11706	2703
MA	6892503	739047	18154	381
MD	6045680	481790	9899	790
ME	1344212	72896	907	108
MI	9986857	1031023	21299	925
MN	5639632	629447	7830	525
MO	6137428	740846	10807	2374
MP	53605	220	2	NA
MS	2976149	392309	7880	1656
MT	1068778	121058	1743	213
NC	10488084	1122695	13912	2558
ND	762062	113704	1579	106
NE	1934408	235075	2566	290
NH	1359711	103733	1396	70
NJ	8882190	1064059	26715	990
NM	2096829	221087	4457	367
NV	3080156	374651	6223	1293
NY	19453561	2211095	53519	2231
OH	11689100	1164808	20648	1863
OK	3956971	516663	7594	1497
OR	4217737	245758	2986	798
PA	12801989	1258774	27993	1432
PR	3193694	192802	2678	442
RI	1059361	158614	2747	106
SC	5148714	669638	10115	1712
SD	884659	127320	2055	93
TN	6829174	942488	12916	2374
TX	28995881	3333104	54643	12380
UT	3205958	447845	2537	374
VA	8535519	725971	11625	1160
VT	623989	26397	264	28
WA	7614893	518604	6317	1313
WI	5822434	708904	8336	730
WV	1792147	174818	2990	409
WY	578759	69356	809	119

```r
tab2=covid.states[,c("actuals.vaccinesDistributed","actuals.vaccinationsInitiated","actuals.vaccination

kable(tab2) %>%
  kable_styling(latex_options="scale_down", "HOLD_position")

tab3 <- covid.states[, c("state","actuals.vaccinesDistributed","actuals.vaccinationsInitiated","actuals

tab3 <- tab3 %>% filter(state == "MS" | state == "TN")

kable(tab3) %>%
  kable_styling(latex_options="scale_down", "HOLD_position")
```

actuals.vaccinesDistributed	actuals.vaccinationsInitiated	actuals.vaccinationsCompleted	actuals.newCases	lastUpdatedDate
885235	386600	338872	449	8/18/2021
5581220	2295863	1748529	4023	8/18/2021
3374320	1537728	1170974	2203	8/18/2021
8901590	4015261	3388691	2661	8/18/2021
52722945	26523722	21479164	10901	8/18/2021
7415615	3572777	3203826	1463	8/18/2021
5105825	2564239	2302652	881	8/18/2021
1114385	465597	397089	66	8/18/2021
1382945	609575	525051	142	8/18/2021
28233385	13209116	10863504	21669	8/18/2021
12313595	5177490	4218980	7464	8/18/2021
2029120	1032025	769575	453	8/18/2021
3708305	1736558	1595747	1755	8/18/2021
1831140	761666	681540	905	8/18/2021
15935405	8167176	6322093	3567	8/18/2021
7308830	3284740	3042425	2695	8/18/2021
3403155	1620718	1356902	110	8/18/2021
4925045	2444098	2094475	3141	8/18/2021
4862970	2185399	1801301	3691	8/18/2021
10193310	5110059	4473466	1468	8/18/2021
9024730	4029717	3634107	851	8/18/2021
1971200	940414	870343	375	8/18/2021
12344500	5423670	4955984	139	8/18/2021
6944820	3419520	3084927	3044	8/18/2021
6908775	3141452	2655248	2101	8/18/2021
78180	34091	31168	1	8/18/2021
3148655	1308267	1074309	3323	8/18/2021
1169785	542268	480817	622	8/18/2021
12648490	5614570	4705445	4610	8/18/2021
768360	357237	310727	269	8/18/2021
2244160	1083853	979312	655	8/18/2021
1956610	896275	801010	271	8/18/2021
12509705	6057182	5316248	1821	8/18/2021
2537125	1418742	1224169	747	8/18/2021
3487330	1731241	1418246	1002	8/18/2021
26036595	12734075	11388592	3528	8/18/2021
13340785	5998237	5539574	3235	8/18/2021
4391280	2013892	1650107	862	8/18/2021
5966315	2620087	2396449	2915	8/18/2021
16958855	8657366	6880507	2085	8/18/2021
4293790	2276402	1963871	362	8/18/2021
1595075	737115	666007	331	8/18/2021
5896135	2545078	2151795	2286	8/18/2021
1027815	483540	424575	179	8/18/2021
7187620	3231178	2748390	3482	8/18/2021
35488695	15914369	13179043	25497	8/18/2021
3518080	1725826	1469618	963	8/18/2021
11235045	5447452	4766294	2244	8/18/2021
960790	469165	418708	357	8/18/2021
10004725	5018204	4484046	2378	8/18/2021
6658295	3334077	3068121	2025	8/18/2021
2142795	833962	704774	1482	8/18/2021
550145	251766	217399	412	8/18/2021

state	actuals.vaccinesDistributed	actuals.vaccinationsInitiated	actuals.vaccinationsCompleted	actuals.newCases	lastUpdatedDate
MS	3148655	1308267	1074309	3323	8/18/2021
TN	7187620	3231178	2748390	3482	8/18/2021