AGSTATS v2

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Project Type/Classification

No of projects by type

projectType	noProject
Capacity Development	51
Census	32
Food Security	14
Information System	11
Survey	1

Total budget for each project type

projectType	totalBudget
Capacity Development	89550684
Census	21968770
Food Security	32347643
Information System	47479680
Survey	4000000

Total budgets by donors

```
tab <- arrange(tab, desc(totalBudget))
knitr::kable(tab)</pre>
```

totalBudget
71440514
17741006
15544021
15000000
12076112
11582264
9725869
9694454
7652668
7587769
2500000
2250000
2229877
1830540
1800000
1670938
1259984
1228275
686810
500000
445994
330000
260000
200000
90682
19000

Regional level

Total budget by donor and region

Region	donor	totalBudget
Africa	AfDB, FAO	1670938
Africa	BMGF	8175199
Africa	BMGF, UK	7587769
Africa	Congo	7652668

Region	donor	total Budget
Africa	EU	40828744
Africa	FAO	5825812
Africa	Italy	2001877
Africa	Japan	7730727
Africa	Netherlands	445994
Africa	UNECA	260000
Africa	USA	4702000
Africa	WFP	1830540
Asia & Pacific	ADB	2500000
Asia & Pacific	Australia, Sweden, USA	2250000
Asia & Pacific	BMGF	1731309
Asia & Pacific	EU	14376231
Asia & Pacific	FAO	2455100
Asia & Pacific	Japan	1995142
Asia & Pacific	Multilateral	1259984
Asia & Pacific	Sweden	1228275
Asia & Pacific	UK	6162307
Asia & Pacific	USA	1500000
CIS	EU	2780868
CIS	FAO	62000
CIS	Italy	88000
CIS	Romania	686810
CIS	UNDP	19000
CIS	USA	4561000
CIS	WB	500000
CIS	World Bank	200000
Global	Belgium	1800000
Global	BMGF	5637513
Global	BMGF, UK, Italy	12076112
Global	FAO	349000
Global	Turkey	330000
Global	UK	11578699
LAC	EU	635324
LAC	FAO	1002542
LAC	IADB	15000000
LAC	Italy	140000
LAC	$\overset{\circ}{\mathrm{USA}}$	819264
Near East	EU	12819347
Near East	Multilateral, UK	90682

Total budget by region

Region	totalBudget
Africa	88712268
Asia & Pacific	35458348
Global	31771324
LAC	17597130
Near East	12910029
CIS	8897678

TOTAL BUDGET, BY REGIONS SUBSET FOR assCountry = 1

```
country <- filter(data, assCountry == 1)</pre>
#----CREATE DF FOR EXPENDITURES BY COUNTRY AND MERGE CENTROIDS
#Get expenditure data
test.c <- colnames(country) %in% NA</pre>
country <- country[!test.c]</pre>
data.d <- select(country, country, budget, donor)</pre>
data.d <- filter(data.d, !is.na(budget))</pre>
x <- strsplit(data.d$country,",")</pre>
data.d$denom <- sapply(x,length)</pre>
options(scipen = 999)
data.d$totl <- data.d$budget/data.d$denom</pre>
test <- duplicated(data.d$totl)</pre>
n <- 1:length(data.d$totl[test])</pre>
data.d$totl[test] <- data.d$totl[test] + n/100</pre>
names(x) <- data.d$totl</pre>
x1 = lapply(names(x), function(name){
 data.frame(amount = name,
             country = x[[name]])
})
master <- do.call("rbind", x1)</pre>
master$country <- as.character(master$country)</pre>
master$amount <- as.numeric(as.character(master$amount))</pre>
master$country[master$country == "Cameroun"] <- "Cameroon"</pre>
master$country <- countrycode(master$country, origin = "country.name",</pre>
                                destination = "country.name", warn = TRUE)
```

country	amount
Peru	15264000.00
Yemen	11949018.00
Sudan	11451985.00
South Sudan	11124220.00
Tanzania, United Republic of	10075429.69
Afghanistan	8304887.00
Cote d'Ivoire	7668542.65
Congo	7652668.00
Chad	5860796.40
Nepal	5497692.00
Somalia	5310674.00
Cambodia	5184525.00
Georgia	3884750.00
Burundi	3566865.01
Tajikistan	2925768.00
Bangladesh	2406737.00
Cabo Verde	2142938.00
Philippines	1543599.02
Ethiopia	1383724.65
Rwanda	1357110.66
Armenia	1019000.00
Thailand	1002599.00
Nigeria	995029.65
Mali	930805.05
Cameroon	916096.31
India	884374.00
Lebanon	870329.00
Lao People's Democratic Republic	840000.00
Haiti	819264.00
Viet Nam	765000.00
Senegal	763429.65
Ghana	758429.65
Dominican Republic	700324.00
Moldova, Republic of	686810.00
Angola	664429.65
Burkina Faso	586805.05
Kenya	586429.66
Uganda	586429.66
Namibia	478000.00
Samoa	474750.00
Tonga	469750.00
Timor-Leste	467651.00
Comoros	438477.00

country	amount
Tunisia	401000.00
Benin	386429.65
Malawi	386429.65
Mozambique	386429.65
Zambia	386429.65
Pakistan	291315.00
Myanmar	281250.00
Morocco	245000.00
Bhutan	223750.00
Maldives	223750.00
Kyrgyzstan	206900.00
Papua New Guinea	206250.00
Mauritius	204000.00
Mauritania	200375.40
Niger	200375.40
Guatemala	188000.00
Guyana	170889.00
Indonesia	165000.00
Mongolia	165000.00
Sri Lanka	165000.00
Turkey	144900.00
China	123750.00
Fiji	123750.00
Colombia	118000.00
Gambia	86666.67
Zimbabwe	86666.67
Equatorial Guinea	70188.00
Kiribati	69284.00
Ecuador	54948.00
Madagascar	54466.00
El Salvador	53390.00
Brazil	47114.00
Bolivia, Plurinational State of	41201.00
Azerbaijan	34900.00
Iran, Islamic Republic of	34900.00
Kazakhstan	34900.00
Turkmenistan	34900.00
Uzbekistan	34900.00

Scatterplot w/ CA score and country budget

```
#-----CREATE DF FOR EXPENDITURES BY COUNTRY AND MERGE CA score
africa <- filter(data, Region == "Africa" & assCountry == 1)

#Get expenditure data
test.c <- colnames(africa) %in% NA
africa <- africa[!test.c]

data.d <- select(africa, country, budget, donor)</pre>
```

```
data.d <- filter(data.d, !is.na(budget))</pre>
x <- strsplit(data.d$country,",")</pre>
data.d$denom <- sapply(x,length)</pre>
options(scipen = 999)
data.d$totl <- data.d$budget/data.d$denom</pre>
test <- duplicated(data.d$totl)</pre>
n <- 1:length(data.d$totl[test])</pre>
data.d$totl[test] <- data.d$totl[test] + n/100</pre>
names(x) <- data.d$totl</pre>
x1 = lapply(names(x), function(name){
  data.frame(amount = name,
             country = x[[name]])
})
master <- do.call("rbind", x1)</pre>
master$country <- as.character(master$country)</pre>
master$amount <- as.numeric(as.character(master$amount))</pre>
master$country <- countrycode(master$country, origin = "country.name",</pre>
                                destination = "country.name", warn = TRUE)
## Warning in countrycode(master$country, origin = "country.name", destination = "country.name", : Some
master <- master %>%
            group by(country) %>%
            summarize(amount = sum(amount))
master <- merge(master, ca, by.x = "country", by.y = "country",
                all = TRUE)
master$country <- countrycode(master$country, origin = "country.name",</pre>
                              destination = "iso3c")
master <- filter(master, !is.na(amount))</pre>
master <- filter(master, !is.na(score))</pre>
master$score <- as.numeric(master$score)</pre>
#create score group
# master\$score.g[master\$score > (mean(master\$score) + .5*sd(master\$score)) &
                 master$amount < ] <- "high score, low committment"</pre>
n = .15
master$score.g[master$score < (mean(master$score) - n*sd(master$score)) &
               master$amount < (mean(master$amount) - n*sd(master$amount))] <- "low score, low support"
```

```
master$score.g[master$score < (mean(master$score) - n*sd(master$score)) &
               master$amount > (mean(master$amount) - n*sd(master$amount))] <- "low score, mid-high sup
master$score.g[master$score > (mean(master$score) - n*sd(master$score)) &
               master$amount < (mean(master$amount) - n*sd(master$amount))] <- "mid-high score, low sup
master$score.g[master$score > (mean(master$score) - n*sd(master$score)) &
               master$amount > (mean(master$amount) - n*sd(master$amount))] <- "mid-high score, mid-high
master$score.g[is.na(master$score.g)] <- NA</pre>
master$amount.mil <- master$amount/1000000
ggplot(master, aes(x=amount.mil, y=score)) +
    geom_point(aes(col = score.g), size = 3) +
    geom_text(aes(label=country), size = 3) +
   theme(legend.position="bottom",
          legend.title = element_blank()) +
    guides(colour = guide_legend(override.aes = list(size=5),
                                 nrow = 2, byrow = TRUE)) +
   labs(x = "Total Amount Spent in Millions (active 2015)", y = "Country Assessment Score (2013)") +
    theme(axis.line = element_line(colour = "black"),
          panel.grid.major = element_blank(),
          panel.grid.minor = element_blank(),
          panel.border = element_blank(),
          panel.background = element_blank())
```

