

Team Allocation for Class 170303

coop711

2018-03-25

Data

```
class_roll <- read.table("../data/class_roll_masked.txt",
  header = TRUE,
  stringsAsFactors = FALSE,
  encoding = "UTF-8")

str(class_roll)

## 'data.frame': 160 obs. of 6 variables:
## $ dept : chr "○○학과" "○○학과" "○○학과" "○○학과" ...
## $ id : int 20119999 20119999 20179999 20149999 20169999 20129999 20149999 20169999 20179999
20129999 ...
## $ name : chr "강○○" "강○○" "강○○" "강○○" ...
## $ year : int 4 4 1 4 2 3 4 2 1 3 ...
## $ email : chr "user_name@naver.com" "user_name@hanmail.net" "user_name@naver.com" "user_name@ha
nmail.net" ...
## $ cell_no: chr "010-9164-xxxx" "010-8574-xxxx" "010-6435-xxxx" "010-2066-xxxx" ...
```

랜덤하게 여러 Team으로 나누기

```
set.seed(4)
N <- nrow(class_roll)
group <- 1 + sample(1:N) %% 8
class_roll$group <- factor(group,
  levels = 1:8,
  labels = paste("Team", 1:8))

kable(class_roll)
```

dept	id	name	year	email	cell_no	group
○○학과	20119999	강○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-9164-xxxx	Team 7
○○학과	20119999	강○○	4	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-8574-xxxx	Team 3
○○학과	20179999	강○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6435-xxxx	Team 8
○○학과	20149999	강○○	4	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-2066-xxxx	Team 5
○○학과	20169999	강○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-8820-xxxx	Team 8
○○학과	20129999	강○○	3	user_name@gmail.com (mailto:user_name@gmail.com)	010-7499-xxxx	Team 2
○○학과	20149999	고○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-9284-xxxx	Team 1
○○학과	20169999	구○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-8228-xxxx	Team 4
○○학과	20179999	권○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4222-xxxx	Team 2
○○학과	20129999	권○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-4769-xxxx	Team 5
○○학과	20179999	권○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4207-xxxx	Team 3
○○학과	20149999	권○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-7208-xxxx	Team 4
○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-2386-xxxx	Team 8
○○학과	20119999	김○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-8009-xxxx	Team 6
○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9264-xxxx	Team 6
○○학과	20139999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-2795-xxxx	Team 3

dept	id	name	year	email	cell_no	group
○○학과	20149999	김○○	2	NA	010-9032-xxxx	Team 5
○○학과	20159999	김○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-3694-xxxx	Team 5
○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4173-xxxx	Team 2
○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-2716-xxxx	Team 5
○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-6382-xxxx	Team 6
○○학과	20139999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-7221-xxxx	Team 2
○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-8248-xxxx	Team 7
○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-9318-xxxx	Team 5
○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-8810-xxxx	Team 2
○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6755-xxxx	Team 2
○○학과	20129999	김○○	4	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-8505-xxxx	Team 2
○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-9356-xxxx	Team 3
○○학과	20149999	김○○	3	user_name@daum.net (mailto:user_name@daum.net)	010-4039-xxxx	Team 7
○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-8854-xxxx	Team 3
○○학과	20119999	김○○	4	user_name@nate.com (mailto:user_name@nate.com)	010-2297-xxxx	Team 3
○○학과	20129999	김○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-2712-xxxx	Team 8
○○학과	20149999	김○○	4	user_name@gmail.com (mailto:user_name@gmail.com)	010-7209-xxxx	Team 8
○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-7322-xxxx	Team 8
○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-5003-xxxx	Team 3
○○학과	20119999	김○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-8799-xxxx	Team 3
○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4516-xxxx	Team 3
○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-5457-xxxx	Team 6
○○학과	20139999	김○○	4	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-3880-xxxx	Team 1
○○학과	20179999	김○○	1	user_name@gmail.com (mailto:user_name@gmail.com)	010-6799-xxxx	Team 2
○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-5480-xxxx	Team 1
○○학과	20139999	김○○	4	user_name@nate.com (mailto:user_name@nate.com)	010-5191-xxxx	Team 6
○○학과	20159999	김○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-4886-xxxx	Team 4
○○학과	20139999	김○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-2778-xxxx	Team 7
○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6878-xxxx	Team 2
○○학과	20149999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9073-xxxx	Team 3
○○학과	20159999	김○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-5848-xxxx	Team 8
○○학과	20159999	김○○	3	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-6778-xxxx	Team 1
○○학과	20179999	나○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-2912-xxxx	Team 3
○○학과	20179999	명○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6646-xxxx	Team 8
○○학과	20179999	문○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6767-xxxx	Team 6
○○학과	20139999	박○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-6296-xxxx	Team 6
○○학과	20129999	박○○	4	user_name@nate.com (mailto:user_name@nate.com)	010-9978-xxxx	Team 2
○○학과	20169999	박○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-6866-xxxx	Team 8

dept	id	name	year	email	cell_no	group
○○학과	20139999	정○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-6368-xxxx	Team 6
○○학과	20149999	정○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-4054-xxxx	Team 1
○○학과	20139999	정○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-6343-xxxx	Team 7
○○학과	20159999	정○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-7184-xxxx	Team 7
○○학과	20179999	정○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-7144-xxxx	Team 6
○○학과	20139999	정○○	2	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-7231-xxxx	Team 7
○○학과	20139999	조○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-5559-xxxx	Team 2
○○학과	20169999	조○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-8611-xxxx	Team 6
○○학과	20169999	조○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9222-xxxx	Team 5
○○학과	20169999	조○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-2425-xxxx	Team 2
○○학과	20179999	조○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-3467-xxxx	Team 6
○○학과	20139999	조○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-4879-xxxx	Team 7
○○학과	20159999	조○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-3528-xxxx	Team 8
○○학과	20139999	차○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-6375-xxxx	Team 7
○○학과	20179999	차○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-8616-xxxx	Team 4
○○학과	20179999	최○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6387-xxxx	Team 2
○○학과	20139999	최○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-9079-xxxx	Team 1
○○학과	20139999	최○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-9525-xxxx	Team 7
○○학과	20179999	최○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-9107-xxxx	Team 7
○○학과	20169999	최○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-6379-xxxx	Team 1
○○학과	20149999	최○○	3	user_name@gmail.com (mailto:user_name@gmail.com)	010-9529-xxxx	Team 5
○○학과	20149999	최○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-4259-xxxx	Team 6
○○학과	20149999	최○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9964-xxxx	Team 8
○○학과	20149999	최○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-7637-xxxx	Team 1
○○학과	20179999	하○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6291-xxxx	Team 8
○○학과	20139999	한○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-4923-xxxx	Team 4
○○학과	20179999	한○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-7687-xxxx	Team 6
○○학과	20159999	황○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-5656-xxxx	Team 6
○○학과	20169999	황○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9229-xxxx	Team 5
○○학과	20139999	황○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9011-xxxx	Team 8

학번

```
ID_17 <- factor(ifelse(substr(class_roll$id, 1, 4) >= 2017,
                             "17학번", "16학번이전"),
                levels = c("17학번", "16학번이전"))
kable(table("팀" = class_roll$group,
            "17학번 기준" = ID_17))
```

	17학번	16학번이전
Team 1	5	15

	17학번	16학번이전
Team 2	10	10
Team 3	10	10
Team 4	9	11
Team 5	7	13
Team 6	7	13
Team 7	6	14
Team 8	7	13

```
ID_16 <- factor(ifelse(substr(class_roll$id, 1, 4) >= 2016,
                             "16학번이후", "15학번이전"),
                levels = c("16학번이후", "15학번이전"))
kable(table("팀" = class_roll$group,
            "16학번 기준" = ID_16))
```

	16학번이후	15학번이전
Team 1	9	11
Team 2	11	9
Team 3	12	8
Team 4	11	9
Team 5	12	8
Team 6	13	7
Team 7	7	13
Team 8	12	8

```
ID_15 <- factor(ifelse(substr(class_roll$id, 1, 4) >= 2015,
                             "15학번이후", "14학번이전"),
                levels = c("15학번이후", "14학번이전"))
kable(table("팀" = class_roll$group,
            "15학번 기준" = ID_15))
```

	15학번이후	14학번이전
Team 1	11	9
Team 2	11	9
Team 3	12	8
Team 4	14	6
Team 5	13	7
Team 6	14	6
Team 7	10	10
Team 8	15	5

```
ID_14 <- factor(ifelse(substr(class_roll$id, 1, 4) >= 2014,
                             "14학번이후", "13학번이전"),
                levels = c("14학번이후", "13학번이전"))
kable(table("팀" = class_roll$group,
            "14학번 기준" = ID_14))
```

	14학번이후	13학번이전
Team 1	14	6
Team 2	13	7
Team 3	14	6
Team 4	17	3
Team 5	17	3
Team 6	15	5
Team 7	13	7
Team 8	17	3

email 서비스업체

```
email_list <- strsplit(class_roll$email, "@", fixed = TRUE)
mail_com <- sapply(email_list, `[`, 2)
kable(table("팀" = class_roll$group,
            "e-mail" = mail_com))
```

	daum.net	gmail.com	hanmail.net	nate.com	naver.com
Team 1	0	0	2	0	18
Team 2	0	2	1	1	16
Team 3	0	0	2	1	17
Team 4	0	0	0	2	18
Team 5	1	1	2	1	14
Team 6	0	0	0	1	19
Team 7	1	1	2	0	16
Team 8	0	2	0	1	17

학년 분포

	1	2	3	4
Team 1	5	6	7	2
Team 2	10	3	2	5
Team 3	10	4	2	4
Team 4	9	6	4	1
Team 5	7	6	5	2
Team 6	7	7	4	2
Team 7	6	4	9	1
Team 8	7	7	3	3

성씨 분포

```
f_name <- substring(class_roll$name,
                    first = 1, last = 1)
kable(table("팀" = class_roll$group,
            "Family Name" = f_name))
```

	강	고	구	권	김	나	명	문	박	반	방	배	서	성	손	송	신	심	안	양	우	유	윤	이	임	장	전	정	조	차	최	하	한
Team 1	0	1	0	0	3	0	0	0	2	0	0	0	0	0	0	1	1	0	0	1	0	2	1	3	0	0	1	1	0	0	3	0	0
Team 2	1	0	0	1	7	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	1	1	0	1	0	0	1	2	0	1	0	0
Team 3	1	0	0	1	8	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	4	0	2	1	0	0	0	0	0	0
Team 4	0	0	1	1	1	0	0	0	2	0	0	0	2	0	0	2	1	1	0	0	0	1	1	4	0	1	0	0	0	1	0	0	1
Team 5	1	0	0	1	4	0	0	0	3	0	1	0	1	0	0	0	0	0	2	0	1	0	0	2	1	0	0	0	1	0	1	0	0
Team 6	0	0	0	0	5	0	0	1	2	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	2	2	0	1	0	1
Team 7	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	4	1	0	0	4	1	1	2	0	0
Team 8	2	0	0	0	5	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	1	4	0	0	0	0	1	0	1	1	0

많이 나오는 성씨

```
f_name <- substring(class_roll$name,
                    first = 1,
                    last = 1)
# f_name %in% c("김", "이", "박")
f_name_f <- factor(ifelse(f_name %in% c("김", "이", "박", "최"),
                        f_name, "기타"),
                  levels = c("김", "이", "박", "최", "기타"))
kable(table("팀" = class_roll$group, "Family Name" = f_name_f))
```

	김	이	박	최	기타
Team 1	3	3	2	3	9
Team 2	7	0	2	1	10
Team 3	8	4	1	0	7
Team 4	1	4	2	0	13
Team 5	4	2	3	1	10
Team 6	5	0	2	1	12
Team 7	3	4	0	2	11
Team 8	5	4	1	1	9

Team 별로 모으기

```
gr_names_o <- order(class_roll$group, class_roll$name)
gr_names_o
```

```
## [1] 7 39 41 48 62 64 78 79 88 90 94 95 101 106 117 128 132
## [18] 147 150 154 6 9 19 22 25 26 27 40 45 53 61 71 81 92
## [35] 97 123 130 137 140 146 2 11 16 28 30 31 35 36 37 46 49
## [52] 58 74 104 105 110 113 125 126 127 8 12 43 55 57 69 70 76
## [69] 77 80 82 93 99 109 111 114 115 124 145 156 4 10 17 18 20
## [86] 24 59 60 63 66 72 83 87 89 107 112 122 139 151 159 14 15
## [103] 21 38 42 51 52 56 65 68 73 85 86 131 135 138 141 152 157
## [120] 158 1 23 29 44 84 91 96 100 102 118 120 121 129 133 134 136
## [137] 142 144 148 149 3 5 13 32 33 34 47 50 54 67 75 98 103
## [154] 108 116 119 143 153 155 160
```

```
names_by_gr <- class_roll[gr_names_o, c("group", "dept", "id", "name", "year", "email", "cell_no")]
kable(names_by_gr)
```

	group	dept	id	name	year	email	cell_no
7	Team 1	○○학과	20149999	고○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-9284-xxxx
39	Team 1	○○학과	20139999	김○○	4	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-3880-xxxx
41	Team 1	○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-5480-xxxx
48	Team 1	○○학과	20159999	김○○	3	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-6778-xxxx
62	Team 1	○○학과	20139999	박○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-4929-xxxx
64	Team 1	○○학과	20159999	박○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-5023-xxxx
78	Team 1	○○학과	20139999	송○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9528-xxxx
79	Team 1	○○학과	20179999	신○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-3109-xxxx
88	Team 1	○○학과	20179999	양○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-2430-xxxx
90	Team 1	○○학과	20139999	유○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-9984-xxxx
94	Team 1	○○학과	20139999	유○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-3821-xxxx
95	Team 1	○○학과	20179999	윤○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-9250-xxxx
101	Team 1	○○학과	20169999	이○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-4964-xxxx
106	Team 1	○○학과	20169999	이○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-7523-xxxx
117	Team 1	○○학과	20169999	이○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-4650-xxxx
128	Team 1	○○학과	20179999	전○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-9432-xxxx
132	Team 1	○○학과	20149999	정○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-4054-xxxx
147	Team 1	○○학과	20139999	최○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-9079-xxxx
150	Team 1	○○학과	20169999	최○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-6379-xxxx
154	Team 1	○○학과	20149999	최○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-7637-xxxx
6	Team 2	○○학과	20129999	강○○	3	user_name@gmail.com (mailto:user_name@gmail.com)	010-7499-xxxx
9	Team 2	○○학과	20179999	권○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4222-xxxx
19	Team 2	○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4173-xxxx
22	Team 2	○○학과	20139999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-7221-xxxx
25	Team 2	○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-8810-xxxx
26	Team 2	○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6755-xxxx
27	Team 2	○○학과	20129999	김○○	4	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-8505-xxxx
40	Team 2	○○학과	20179999	김○○	1	user_name@gmail.com (mailto:user_name@gmail.com)	010-6799-xxxx
45	Team 2	○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6878-xxxx

	group	dept	id	name	year	email	cell_no
53	Team 2	○○학과	20129999	박○○	4	user_name@nate.com (mailto:user_name@nate.com)	010-9978-xxxx
61	Team 2	○○학과	20149999	박○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-9395-xxxx
71	Team 2	○○학과	20149999	서○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-4099-xxxx
81	Team 2	○○학과	20139999	신○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-9990-xxxx
92	Team 2	○○학과	20179999	유○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-3654-xxxx
97	Team 2	○○학과	20179999	윤○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-9623-xxxx
123	Team 2	○○학과	20179999	임○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4049-xxxx
130	Team 2	○○학과	20129999	정○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-9411-xxxx
137	Team 2	○○학과	20139999	조○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-5559-xxxx
140	Team 2	○○학과	20169999	조○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-2425-xxxx
146	Team 2	○○학과	20179999	최○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6387-xxxx
2	Team 3	○○학과	20119999	강○○	4	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-8574-xxxx
11	Team 3	○○학과	20179999	권○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4207-xxxx
16	Team 3	○○학과	20139999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-2795-xxxx
28	Team 3	○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-9356-xxxx
30	Team 3	○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-8854-xxxx
31	Team 3	○○학과	20119999	김○○	4	user_name@nate.com (mailto:user_name@nate.com)	010-2297-xxxx
35	Team 3	○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-5003-xxxx
36	Team 3	○○학과	20119999	김○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-8799-xxxx
37	Team 3	○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4516-xxxx
46	Team 3	○○학과	20149999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9073-xxxx
49	Team 3	○○학과	20179999	나○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-2912-xxxx
58	Team 3	○○학과	20149999	박○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-7515-xxxx
74	Team 3	○○학과	20179999	손○○	1	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-9450-xxxx
104	Team 3	○○학과	20179999	이○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6291-xxxx
105	Team 3	○○학과	20169999	이○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-5058-xxxx
110	Team 3	○○학과	20179999	이○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6602-xxxx
113	Team 3	○○학과	20179999	이○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-5113-xxxx
125	Team 3	○○학과	20179999	장○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-8276-xxxx
126	Team 3	○○학과	20139999	장○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-9173-xxxx
127	Team 3	○○학과	20139999	전○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-3329-xxxx
8	Team 4	○○학과	20169999	구○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-8228-xxxx
12	Team 4	○○학과	20149999	권○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-7208-xxxx
43	Team 4	○○학과	20159999	김○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-4886-xxxx
55	Team 4	○○학과	20179999	박○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-7138-xxxx
57	Team 4	○○학과	20179999	박○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-5311-xxxx
69	Team 4	○○학과	20129999	서○○	3	user_name@nate.com (mailto:user_name@nate.com)	010-6416-xxxx
70	Team 4	○○학과	20179999	서○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-2934-xxxx

	group	dept	id	name	year	email	cell_no
76	Team 4	○○학과	20179999	송○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-8914-xxxx
77	Team 4	○○학과	20159999	송○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-7711-xxxx
80	Team 4	○○학과	20159999	신○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-6311-xxxx
82	Team 4	○○학과	20179999	심○○	1	user_name@nate.com (mailto:user_name@nate.com)	010-7379-xxxx
93	Team 4	○○학과	20179999	유○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-7738-xxxx
99	Team 4	○○학과	20169999	윤○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-8648-xxxx
109	Team 4	○○학과	20179999	이○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-7663-xxxx
111	Team 4	○○학과	20149999	이○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-5250-xxxx
114	Team 4	○○학과	20149999	이○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-2356-xxxx
115	Team 4	○○학과	20179999	이○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4843-xxxx
124	Team 4	○○학과	20139999	장○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-5057-xxxx
145	Team 4	○○학과	20179999	차○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-8616-xxxx
156	Team 4	○○학과	20139999	한○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-4923-xxxx
4	Team 5	○○학과	20149999	강○○	4	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-2066-xxxx
10	Team 5	○○학과	20129999	권○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-4769-xxxx
17	Team 5	○○학과	20149999	김○○	2	NA	010-9032-xxxx
18	Team 5	○○학과	20159999	김○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-3694-xxxx
20	Team 5	○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-2716-xxxx
24	Team 5	○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-9318-xxxx
59	Team 5	○○학과	20169999	박○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-7728-xxxx
60	Team 5	○○학과	20179999	박○○	1	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-4274-xxxx
63	Team 5	○○학과	20179999	박○○	1	user_name@nate.com (mailto:user_name@nate.com)	010-6219-xxxx
66	Team 5	○○학과	20119999	방○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-8975-xxxx
72	Team 5	○○학과	20169999	서○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-7300-xxxx
83	Team 5	○○학과	20169999	안○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-3210-xxxx
87	Team 5	○○학과	20179999	안○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4874-xxxx
89	Team 5	○○학과	20149999	우○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-5193-xxxx
107	Team 5	○○학과	20179999	이○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-5376-xxxx
112	Team 5	○○학과	20139999	이○○	3	user_name@daum.net (mailto:user_name@daum.net)	010-2910-xxxx
122	Team 5	○○학과	20179999	임○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-7231-xxxx
139	Team 5	○○학과	20169999	조○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9222-xxxx
151	Team 5	○○학과	20149999	최○○	3	user_name@gmail.com (mailto:user_name@gmail.com)	010-9529-xxxx
159	Team 5	○○학과	20169999	황○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9229-xxxx
14	Team 6	○○학과	20119999	김○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-8009-xxxx
15	Team 6	○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9264-xxxx
21	Team 6	○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-6382-xxxx
38	Team 6	○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-5457-xxxx
42	Team 6	○○학과	20139999	김○○	4	user_name@nate.com (mailto:user_name@nate.com)	010-5191-xxxx

	group	dept	id	name	year	email	cell_no
51	Team 6	○○학과	20179999	문○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6767-xxxx
52	Team 6	○○학과	20139999	박○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-6296-xxxx
56	Team 6	○○학과	20169999	박○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-5697-xxxx
65	Team 6	○○학과	20179999	반○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-9890-xxxx
68	Team 6	○○학과	20179999	배○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-8259-xxxx
73	Team 6	○○학과	20179999	성○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4932-xxxx
85	Team 6	○○학과	20139999	안○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-5030-xxxx
86	Team 6	○○학과	20169999	안○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9310-xxxx
131	Team 6	○○학과	20139999	정○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-6368-xxxx
135	Team 6	○○학과	20179999	정○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-7144-xxxx
138	Team 6	○○학과	20169999	조○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-8611-xxxx
141	Team 6	○○학과	20179999	조○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-3467-xxxx
152	Team 6	○○학과	20149999	최○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-4259-xxxx
157	Team 6	○○학과	20179999	한○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-7687-xxxx
158	Team 6	○○학과	20159999	황○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-5656-xxxx
1	Team 7	○○학과	20119999	강○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-9164-xxxx
23	Team 7	○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-8248-xxxx
29	Team 7	○○학과	20149999	김○○	3	user_name@daum.net (mailto:user_name@daum.net)	010-4039-xxxx
44	Team 7	○○학과	20139999	김○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-2778-xxxx
84	Team 7	○○학과	20149999	안○○	2	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-4661-xxxx
91	Team 7	○○학과	20179999	유○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-2186-xxxx
96	Team 7	○○학과	20149999	윤○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-3304-xxxx
100	Team 7	○○학과	20179999	이○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6351-xxxx
102	Team 7	○○학과	20179999	이○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-2622-xxxx
118	Team 7	○○학과	20179999	이○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-4813-xxxx
120	Team 7	○○학과	20179999	이○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-5773-xxxx
121	Team 7	○○학과	20159999	임○○	3	user_name@gmail.com (mailto:user_name@gmail.com)	010-6413-xxxx
129	Team 7	○○학과	20159999	정○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-8738-xxxx
133	Team 7	○○학과	20139999	정○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-6343-xxxx
134	Team 7	○○학과	20159999	정○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-7184-xxxx
136	Team 7	○○학과	20139999	정○○	2	user_name@hanmail.net (mailto:user_name@hanmail.net)	010-7231-xxxx
142	Team 7	○○학과	20139999	조○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-4879-xxxx
144	Team 7	○○학과	20139999	차○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-6375-xxxx
148	Team 7	○○학과	20139999	최○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-9525-xxxx
149	Team 7	○○학과	20179999	최○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-9107-xxxx
3	Team 8	○○학과	20179999	강○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6435-xxxx
5	Team 8	○○학과	20169999	강○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-8820-xxxx
13	Team 8	○○학과	20179999	김○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-2386-xxxx

	group	dept	id	name	year	email	cell_no
32	Team 8	○○학과	20129999	김○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-2712-xxxx
33	Team 8	○○학과	20149999	김○○	4	user_name@gmail.com (mailto:user_name@gmail.com)	010-7209-xxxx
34	Team 8	○○학과	20169999	김○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-7322-xxxx
47	Team 8	○○학과	20159999	김○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-5848-xxxx
50	Team 8	○○학과	20179999	명○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6646-xxxx
54	Team 8	○○학과	20169999	박○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-6866-xxxx
67	Team 8	○○학과	20179999	배○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-3779-xxxx
75	Team 8	○○학과	20179999	손○○	1	user_name@nate.com (mailto:user_name@nate.com)	010-9390-xxxx
98	Team 8	○○학과	20169999	윤○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-5150-xxxx
103	Team 8	○○학과	20159999	이○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-8868-xxxx
108	Team 8	○○학과	20179999	이○○	1	user_name@gmail.com (mailto:user_name@gmail.com)	010-9632-xxxx
116	Team 8	○○학과	20119999	이○○	4	user_name@naver.com (mailto:user_name@naver.com)	010-4552-xxxx
119	Team 8	○○학과	20169999	이○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-4032-xxxx
143	Team 8	○○학과	20159999	조○○	3	user_name@naver.com (mailto:user_name@naver.com)	010-3528-xxxx
153	Team 8	○○학과	20149999	최○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9964-xxxx
155	Team 8	○○학과	20179999	하○○	1	user_name@naver.com (mailto:user_name@naver.com)	010-6291-xxxx
160	Team 8	○○학과	20139999	황○○	2	user_name@naver.com (mailto:user_name@naver.com)	010-9011-xxxx