

Name	Email	Num Tickets	Discount Code	Delivery
Josie Zhao	jo@mail.com	2	BIRTHDAY	email
Sam Ochibe	s@sweb.com	1		pickup
Bart Simple	bart@simpson.org	5	STUDENT	yes
Ernie O'Malley	ernie.mail.com	0	none	email
Alvina Velasquez	alvie@schooledu	3	student	email
Zander	zandaman	10		email
Shweta Chowpatti	snc@this.org	three		pickup

Google Sheets Analysis

Total Tickets	21
Student Tickets	8
Full-fare Tickets	11

```

ssid = "1g6kL2aS_C_K_j9hMWMYgoaPaUzRl0X-8xEVMZ0q9GNI"
event-data =
  load-table: name, email, tickcount, discount, delivery
    source: load-spreadsheet(ssid).sheet-by-name("Orig Data", true)

end

# redo the analysis from google-sheets -- do we get the same answers?
fun filter-by-discount(events :: Table, d :: String) -> Table:
  doc: "filter table to rows with given discount"
  fun has-discount(r :: Row):
    r["discount"] == d
  end
  filter-with(events, has-discount)
end

total-tickets = sum(event-data, "tickcount")

student-tickets =
  sum(filter-by-discount(event-data, "student"), "tickcount")

full-fare-tickets =
  sum(filter-by-discount(event-data, ""), "tickcount")

```