



# My Organization's First R Package

## 4 — Standardized Reporting



## Standardization is actually advantageous in organizations

---

ISO dates/times are awesome right? That's standardization. It's a good thing.

 **2020-01-20 00:47:24 EST**

I used `Sys.time()` for this. There's no confusion as to the date or time.

We need more of this, so, use ISO times, country codes, and currency codes.

**ISO 8601**

**ISO 3166-1**

**ISO 4217**

If need be, develop your own internal code system and rules for standardizing.

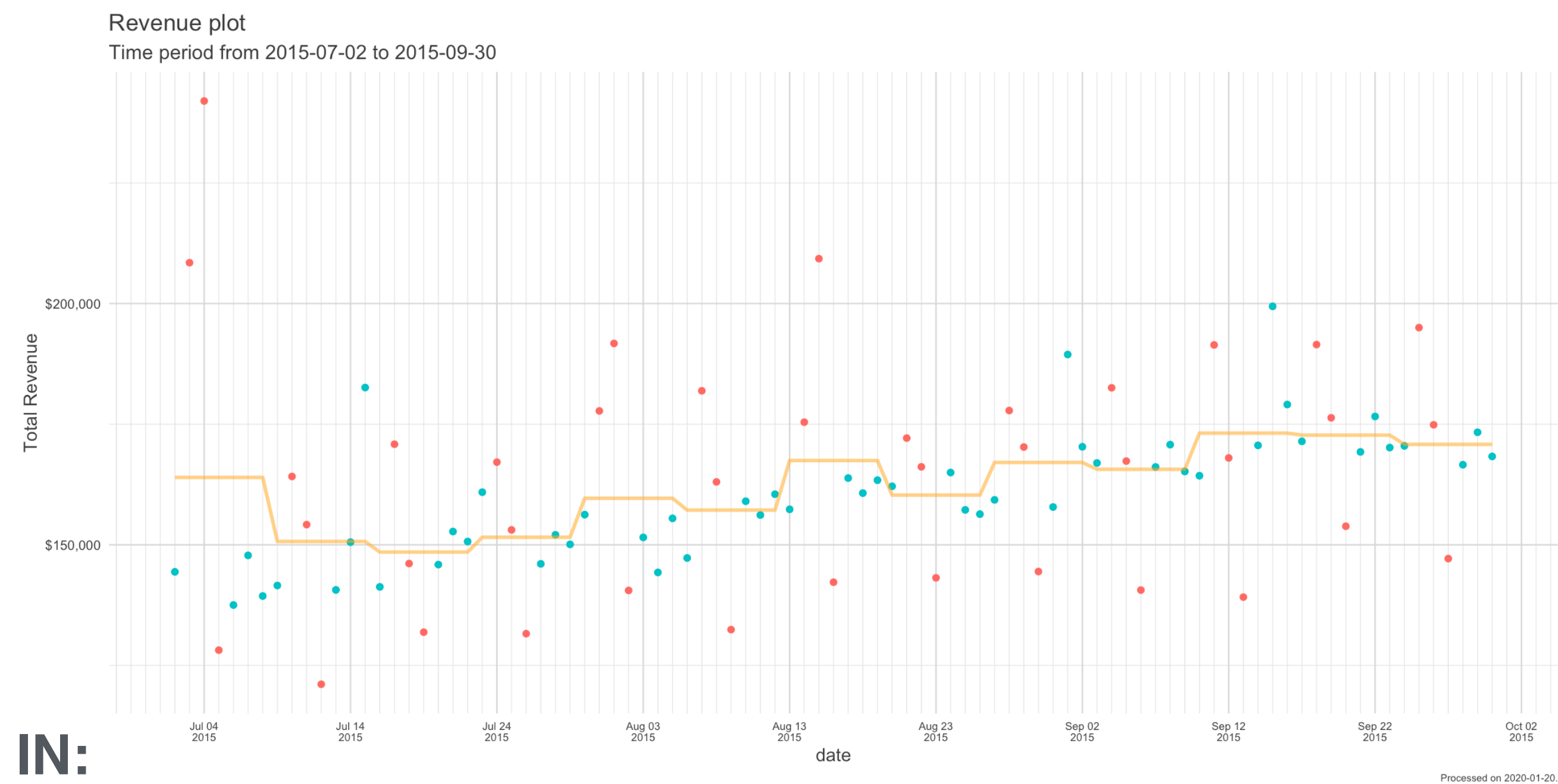
---

# STANDARDIZED REPORTING

## Standardized plots and tables



Besides standardized data, we can have standardized displays of data.



**DAU and DAC for *Super Jetroid***

Summary data for Weeks 27 to 39.

Wk.	Day Range	DAU	DAC
27	2015-07-02 to 2015-07-08	4,255	2,471
28	2015-07-09 to 2015-07-15	3,868	2,266
29	2015-07-16 to 2015-07-22	3,733	2,189
30	2015-07-23 to 2015-07-29	3,741	2,227
31	2015-07-30 to 2015-08-05	3,851	2,313
32	2015-08-06 to 2015-08-12	3,759	2,276
33	2015-08-13 to 2015-08-19	3,872	2,386
34	2015-08-20 to 2015-08-26	3,743	2,300
35	2015-08-27 to 2015-09-02	3,815	2,350
36	2015-09-03 to 2015-09-09	3,748	2,319
37	2015-09-10 to 2015-09-16	3,905	2,443
38	2015-09-17 to 2015-09-23	3,733	2,369
39	2015-09-24 to 2015-09-30	3,742	2,382
MEAN		3,828	2,330

USE ‘EM IN:

Regular meetings (in slide decks).

Reports, like those generated by **R Markdown**.

Workshops, like this one.



## 75 minutes

Open up the package-in-progress at:

`p_04_intendo/04_intendo.Rproj`

---

The `scripts` folder contains the `standard_plot.R` and the `KPI_table.R` files that have the functions (or just some working code) that we'll add to the package.

Test the new functions. Add a manual testing script inside `tests/manual_tests`.

Create an **R Markdown** document template which has the standardized reporting functions within it.

**USEFUL FCNS** `use_r()` `use_package()` `edit_file()` `use_rmarkdown_template()`

---