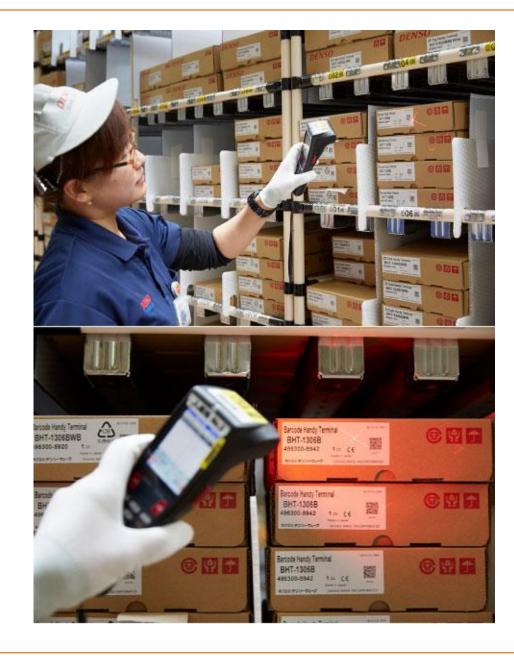


THE RISE, FALL, AND RISE AGAIN OF QR CODES

{a brief history of QR codes}



## {technical details}

Five basic types of QR codes

#### 40 versions of QR codes

- Usage depends on amount of data stored, error correction level
- More data = more modules = larger QR code
- v1: 21x21 modules, v40: 177x177 modules

### Components:

- Position detection patterns
- Data area
- Modules

A unit of a QR code is a module

#### No standardized sizes

- Smallest is ~2x2 cm; no maximum size
- Printer type affects module size

## {features}

Readable 360° in any direction

Same data capacity as a barcode but 1/10 the size

Stores up to 7,089 characters of data

- Text
- Images
- Sound

Error correction capability

Codes can be divided into multiple units or combined in a single code

Customizable



{early #marketingfails}



Search for people, places and things

facebook



{don't call it a comeback!}



# {best practices}

clear purpose

simple call to action

mobile-first landing page

design & generate the right codes

test, then test again

location, location, location

leverage data collected



Non-deposit investment products and services are offered through CUSO Financial Services, LP, C'CFS\*, a registered broker dealer (Member FDRA/SIFC) and SEC Registered Investment Advisor. Products offered through CFS are not NCUL/NCUSES or otherwise federally inserted, are not agreeastes or obligations of the credit union and may involve investments five including possible loss of principal. Investments preventations are resistened through CFS. Alternor Federal Credit Union in an contrastent with CFS to make non-denoral twenturent reducts and universe called a to confit union manufers. 2021 Allegars. Federal Credit Union has confit union manufers. 2021 Allegars. Federal Credit Union has confit union manufers. 2021 Allegars.







{examples}





photos from qrcode-tiger.com

# {helpful resources}

https://qrcode.com

https://www.reubenrink.com/qr-codes-are-back/

https://www.qrcode-tiger.com/qr-code-best-practices

https://www.flowcode.com

## {QR code generators}

https://qrcode-monkey.com (free)

https://www.flowcode.com (free; Flowcode Pro is the paid, more robust tier)

https://www.visualead.com (paid service, design-focused)

https://www.scanova.io (paid service, robust, for large campaigns, broad feature set)



THANK YOU FOR YOUR TIME.