This is the title of the template article

Firstname Lastname, University of Examples

ere is some sample text to show the initial in the introductory paragraph of this template article. The color and lineheight of the initial can be modified in the preamble of this document.

Heading on level 1

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi.

Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies

$$A = \begin{bmatrix} A_{11} & A_{21} \\ A_{21} & A_{22} \end{bmatrix} \tag{1}$$

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus.

Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies 307

Heading on level 2

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem.

- First item in a list
- Second item in a list
- Third item in a list

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim.

Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies

#!/usr/bin/env python3.9 # vim: ts=2 sw=2 sts=2 et : # autopep8: ignore E20,E401,E226,E302,E41

```
import re, sys, math, argparse, itertools
         from argparse import ArgumentParser as parse
                                                                                                                                88
 5
         from argparse import RawTextHelpFormatter as textual
                                                                                                                                89
          Float = Str = Int = Bool = lambda *I: I[0]
                                                                                                                               90
                                                                                                                               91
 q
                                                                                                                               92
         def keys(
10
                                                                                                                               93
            BINS : Float("bins are of size n**BINS") = .5,

COLS : Str("columns to use for inference") = "x",

DATA : Str("where to read data") = "../data/auto2.csv",

EPSILON: Float("small = sd**EPSILON") = .3,
                                                                                                                               94
12
                                                                                                                               95
13
                                                                                                                               a6
           EPSILON: Float("small = sd**EPSILON") = .3,

FAR : Float("where to look for far things") = .9,

GOAL : Str("learning goals: best—rest—other") = "best",

K : Int("bayes low class frequency hack") = 2,

M : Int("bayes low range frequency hack") = 1,

P : Int("distance calculation exponent") = 2,

SAMPLE: Int("#samples to find far things?") = 20,

VERBOSE: Bool("set verbose") = False,

TOP : Int("focus on this many") = 20,

XAMPLE: Str("egs: fl-x lsfl lists all. fl-x allfl runs all") = ""
14
                                                                                                                               97
                                                                                                                                98
                                                                                                                               99
17
                                                                                                                              100
18
                                                                                                                              101
19
                                                                                                                              102
20
                                                                                                                              103
21
                                                                                                                              104
22
            XAMPLE : Str("egs: fl-x lsfl lists all, fl-x allfl runs all") = "" ): 106
23
24
                                (c) Tim Menzies, 2021, unlicense.org.
25
                                                                                                                              108
              '.' The delta between things is
''.-.'* simpler than the things.
''""
26
                                                                                                                              109
27
                                                                                                                             110
28
                                                                                                                             111
                                                                                                                             112
29
            \begin{split} \mathsf{GOAL} &= -\mathsf{flbestfl}: \mathsf{lambda}\ b,\ \mathsf{r:}\ b^{**2}/b + \mathsf{r},\\ & \mathsf{flrestfl}: \mathsf{lambda}\ b,\ \mathsf{r:}\ r^{**2}/(b + \mathsf{r}),\\ & \mathsf{flotherfl:}\ \mathsf{lambda}\ b,\ \mathsf{r:}\ \mathbf{1}/(b + \mathsf{r}) \quad \text{``[GOAL]} \end{split}
30
                                                                                                                             113
31
                                                                                                                             114
32
                                                                                                                             115
                                                                                                                             116
33
34
                                                                                                                             117
              "Store columns in `Col`, `Skip`, `Sym`, `Num`."

def "init" (i, at=0, txt="", inits=[]):
    i.n, i.at, i.txt = 0, at, txt
    i.w = -1 if "-" in txt else 1
                                                                                                                             118
35
36
                                                                                                                             110
37
                                                                                                                             120
38
                                                                                                                             121
                 [i.add(x) for x in inits]
39
                                                                                                                             122
40
                                                                                                                             123
              \begin{array}{l} \text{def add(i, x, n=1):} \\ \text{if x != "?": i.n += 1; x = i.add1(x, n)} \end{array}
41
                                                                                                                             124
42
                                                                                                                             125
                 return x
                                                                                                                             126
43
44
                                                                                                                              127
            class Skip(Col):
                                                                                                                             128
46
               def add1(i, x, n=1): return x
                                                                                                                             129
47
                                                                                                                              130
            class Sym(Col):
    def ''init''(i, **kw): i.has = -"; super().''init''(**kw)
48
                                                                                                                              131
49
                                                                                                                              132
50
                                                                                                                              133
               def add1(i, x, n=1): inc(i.has, x, n); return x
51
                                                                                                                              134
52
                                                                                                                              135
               def bins(i, j):
                                                                                                                              136
53
                 for k in (i.has — j.has):
                                                                                                                             137
54
                    yield i.has.get(k, 0), True, (i.at, (k, k)) yield j.has.get(k, 0), False, (j.at, (k, k))
                                                                                                                              138
55
56
                                                                                                                             139
57
                                                                                                                              140
               def \ dist(i, x, y): return \ 0 \ if \ x == y \ else \ 1
58
                                                                                                                              141
59
60
                                                                                                                              142
                                                                                                                              143
61
                 return sum(-v/i.n * math.log(v/i.n) for v in i.has.values())
                                                                                                                             144
62
                                                                                                                              145
               def merge(i, j):
63
                                                                                                                              146
                 k = Sym(at=i.at, txt=i.txt)
64
                  [k.add(x, n) \text{ for has in (i.has, j.has) for } x, n \text{ in has.items()}]
65
                                                                                                                             148
                  return k
66
                                                                                                                              149
67
                                                                                                                              150
               def merged(i, j):
68
                                                                                                                              151
                 k = i.\mathsf{merge}(j)
69
                                                                                                                              152
                 e1, n1, e2, n2, e, n = i.ent(), i.n, j.ent(), j.n, k.ent(), k.n if e1 + e2 ; 0.01 or e * .95 ; n1 / n * e1 + n2 / n * e2:
70
71
                                                                                                                              154
72
                    return k
                                                                                                                              155
73
                                                                                                                              156
           class Num(Col):
def 'init''(i, **kw):
i.'all, i.ok = [], False
super().''init''(**kw)
74
                                                                                                                              157
75
                                                                                                                              158
76
                                                                                                                              159
77
                                                                                                                              160
78
                                                                                                                              161
               def add1(i, x, n):
79
                                                                                                                             162
                  x, i.ok \stackrel{.}{=} float(x), False
80
                                                                                                                             163
                  for in range(n): i. all += [x]
81
                                                                                                                             164
82
                                                                                                                             165
83
                                                                                                                             166
84
                                                                                                                             167
                 if not i.ok: i.ok = True; i. all = sorted(i. all)
85
                                                                                                                             168
                  return i. all
```

```
def bins(i, j):
       \begin{aligned} & \mathsf{x} \mathsf{y} = [(\mathsf{z},\mathsf{True}) \; \mathsf{for} \; \mathsf{z} \; \mathsf{in} \; \mathsf{i.} \; \mathsf{all}] + [(\mathsf{z},\mathsf{False}) \; \mathsf{for} \; \mathsf{z} \; \mathsf{in} \; \mathsf{j.} \; \mathsf{all}] \\ & \mathsf{eps} = \mathsf{EPSILON} \; * \; (\mathsf{i.n*i.sd}() \; + \; \mathsf{j.n*j.sd}()) \; / \; (\mathsf{i.n} \; + \; \mathsf{j.n}) \\ & \mathsf{for} \; ((\mathsf{lo}, \; \mathsf{hi}), \mathsf{s}) \; \mathsf{in} \; \mathsf{bins}(\mathsf{xy}, \mathsf{epsilon} = \mathsf{eps}, \mathsf{size} = \mathsf{len}(\mathsf{xy}) **\mathsf{BINS}) : \end{aligned} 
          for klass, n in s.has.items():
            yield n, klass, (i.at, (lo, hi))
  \begin{array}{l} \text{def dist}(i,\,\mathsf{x},\,\mathsf{y}) \colon\\ \text{if}\quad \mathsf{x} == \text{"?"} \colon \mathsf{y} = i.\mathsf{norm}(\mathsf{y});\,\mathsf{x} = 1 \text{ if } \mathsf{y} \mid 0.5 \text{ else } 0\\ \text{elif } \mathsf{y} == \text{"?"} \colon \mathsf{x} = i.\mathsf{norm}(\mathsf{x}); \mathsf{y} = 1 \text{ if } \mathsf{x} \mid 0.5 \text{ else } 0\\ \text{else} \qquad \vdots \; \mathsf{x},\,\mathsf{y} = i.\mathsf{norm}(\mathsf{x}),\,\mathsf{y}.\mathsf{norm}(\mathsf{y}) \end{array}
      return abs(x-v)
   \begin{array}{l} \text{def norm(i, x):} \\ \text{if } x == \begin{subarray}{c} "?" : return x \end{subarray} \end{array}
      a = i.all()
      return \max(0, \min(1, (x-first(a))/(last(a)-first(a)+1E-32)))
   \begin{array}{l} \text{def sd(i)}: \text{return } (\text{per(i.all(), .9)} - \text{per(i.all(), .1)}) / 2.56 \\ \text{def span(i)}: \text{return } (\text{first(i.all()), last(i.all())}) \end{array}
   def wide(i, n=0): return last(i.all()) - first(i.all()) \ge n
class Row(o):
"Data is in `Row`s which, in turn, are in `Table`s."
   def "init"(i, lst, tab=None): i.tab, i.cells = tab, lst
   \begin{array}{l} \text{def dist(i, j):} \\ \text{d} = \text{n} = \text{1E-32} \end{array}
       for col in i.tab.cols[COLS]:
         n += 1
      x, y = i.cells[at], j.cells[at] d += 1 if x == "?" and y == "?" else col.dist(x, y) ** P return (d/n) ** (1/P)
   def far(i, rows):
      tmp = [(dist(i, j), j) for in range(SAMPLE)]
return per(sorted(tmp, key=first), FAR)
class Table(o):
def "init"(i, inits=[]):
      i.rows = []
       i.cols = o(all=[], names=[], x=[], y=[], klass=None)
       [i.add(x) for x in inits]
   def add(i, a): i.data(a) if i.cols.names else i.header(a)
   def clone(i, inits=[]): return Table([i.cols.names] + inits)
   def data(i, a):
      a = a.cells if type(a) == Row else a
       a = [col.add(a[col.at]) for col in i.cols.all]
      i.rows += [Row(a, tab=i)]
   def header(i, a):
      i.\mathsf{cols}.\mathsf{names} = \mathsf{a}
       for at, \times in enumerate(a):
          new = Skip if i.skipp(x) else (Num if i.nump(x) else Sym)
          new = new(at=at, txt=x)
          i.cols.all += [new]
          if not i.skipp(x):
            i.cols["y"] if i.yp(x) else "x"] += [new]
             if i.klassp(x):
                i.cols.klass = new
   \begin{array}{l} \text{def klassp(i, x): return "!" in } \times \\ \text{def nump(i, x): return } \times \text{[0].isupper()} \\ \text{def skipp(i, x): return "?" in } \times \\ \text{def yp(i, x): return "-" in } \times \text{ or } \text{i.klassp(x)} \end{array}
def stratify(src):
   all, klass = None,-"
   for n,row in enumerate(src):
        if all:
           kl = row[all.cols.klass.at]
           here = klass[kl] = klass.get(kl,None) or all.clone()
           here.add(row)
           all.add(row)
        else:
           \mathsf{all} = \mathsf{Table}([\mathsf{row}])
   return o(all=all, klass=klass)
def bins(xy, epsilon=0, size=30):
```

```
"Use `bins` to divide numeric data into ranges."
170
                                                                               253
                                                                                          def bins(file="../data/diabetes.csv"
          def merge(b4):
171
                                                                               254
            j, tmp, n = 0, [], len(b4)
                                                                                                  k1= "positive", k2= "negative"):
172
                                                                               255
                                                                                            "discretize some data"
            while j i n:
173
                                                                               256
              a = b4[j]
                                                                                           ts = stratify(csv(file))
goods, bads = ts.klass[k1], ts.klass[k2]
                                                                               257
              if j | n - 1:
                                                                               258
               b = b4[j + 1]

print(""na",a[1])

print("b",b[1])
                                                                                            for good,bad in zip(goods.cols.all, bads.cols.all):
176
                                                                               259
                                                                                             print(f" "n-good.at"")
[print(f" "t-x"") for x in good.bins(bad)]
177
                                                                               260
178
                                                                               261
                if cy := a[1].merged(b[1]):
print("c",cy)
                                                                                             return 1
                                                                               262
179
180
                                                                               263
                 a = (a[0][0], b[0][1]), cy)
181
                                                                               264
                                                                                        # main program for keys if XAMPLE == "all":
                 i + = 1
182
                                                                               265
              tmp += [a]
183
                                                                               266
                                                                                          for k, f in vars(Eg).items():
if k[0] != "'": run(f)
              i += 1
184
                                                                               267
            return merge(tmp) if len(tmp) | len(b4) else b4
185
                                                                               268
186
                                                                               269
                                                                                          if XAMPLE and XAMPLE in vars(Eg):
187
          def divide(xy):
                                                                               270
                                                                                           f = vars(Eg)[XAMPLE]
f() if XAMPLE=="ls" else run(f)
188
            bin = o(x=Num(), y=Sym())
                                                                               271
            bins = [bin]
189
                                                                               272
            for i, (x, y) in enumerate(xy):
                                                                               273
190
              if bin.x.n \ i = size:
                                                                                       #####################################
191
                                                                               274
                if x != b4 and i | len(xy)-size and bin.x.wide(epsilon):
192
                                                                               275
                 bin = o(x=Num(), y=Sym())
                                                                                       # things that donflt use the config vars
                                                                               276
193
                 bins += bin]
                                                                               277
                                                                                       # tests
194
              bin.x.add(x)
                                                                               278
                                                                                      def run(fun):
195
                                                                                        global fails
              bin.y.add(y)
196
                                                                               279
              b4 = x
                                                                                        s= f"-fun."name":¡12""
                                                                               280
197
            return bins
                                                                               281
198
                                                                               282
199
                                                                                          color(green=("!" + s),white=fun."doc")
          return merge([(bin.x.span(), bin.y)
200
                                                                               283
                      for bin in divide(sorted(xy, key=first))])
                                                                               284
                                                                                        except Exception as err:
201
                                                                                          fails += 1
                                                                               285
202
                                                                                          color(red="x" + s,white= str(err))
         def contrasts(here, there, t):
                                                                               286
203
          "Report ranges that are most different in two classes."
204
                                                                               287
          def like(d, kl):
                                                                               288
                                                                                        string stuff
205
                                                                                      out = prior = (hs[kl] + K) / (n + K*2) for at, span in d.items():
206
                                                                               280
207
                                                                               290
             f = has.get((kl, (at, span)), 0)
208
                                                                               291
             out *= (f + M*prior) / (hs[kl] + M)
                                                                               292
209
                                                                                        for col,txt in kw.items(): s = s + a + str(c[col]) + z + txt + c
            return out
210
211
                                                                                        \hookrightarrow c["reset"]
          def val(d): return GOAL(like(d, True), like(d, False)), d
212
                                                                                        print(s, end=end)
                                                                               294
          def top(a): return sorted(a,reversed=True,key=first)[:TOP]
213
                                                                               295
214
                                                                               296
                                                                                       # dictionary stuff
215
          has = -(kl, (at, (lo, hi))): f
                                                                                      def has(d, k): return d.get(k, 0)
                                                                               297
                for col1, col2 in zip(here.cols.x, there.cols.x)
                                                                                      def inc(d, k, n=1): tmp = d[k] = n + d.get(k, 0); return tmp
216
                                                                               298
                 for f, kl, (at, (lo, hi)) in col1.bins(col2)
217
                                                                               299
218
          n = len(here.rows, there.rows)
                                                                                      def dict'product(d):
                                                                               300
219
          hs = -True: len(here.rows), False: len(there.rows)"
                                                                                        keys = d.keys()
                                                                               301
          solos = [val(dict(at=x)) \text{ for at, } x \text{ in } set([z \text{ for ', z in has}])]
                                                                                        for p in itertools.product(*d.values()):
220
                                                                               302
                                                                                          yield dict(zip(keys, p))
221
                                                                               303
          for , d in top(solos):
222
                                                                               304
            for k in d:
                                                                                       # list stuff
223
                                                                               305
             ranges[k] = ranges.get(k, set()).add(d[k])
                                                                                      def first(a): return a[0]
224
                                                                               306
          for rule in top([val(d) for d in dict product(ranges)]):
                                                                                      def last(a): return a[-1] #
225
                                                                               307
            print(rule)
                                                                                      def per(a, p=5): return a[int(p*len(a))]
226
                                                                               308
227
                                                                               309
         # Unit tests.
228
                                                                               310
                                                                                       # object stuff
                                                                                      class o(object):
def "init" (i, **k): i. "dict" .update(**k)
        class Eg:
220
                                                                               311
          def Is():
230
                                                                               312
                                                                                       "list all examples."
print(" "nexamples:")
for k, f in vars(Eg).items():
    if k[0] != "": print(f" -k:i13" -f. "doc""")
231
                                                                               313
232
                                                                               314
233
                                                                               315
                                                                                        \label{eq:def_set_item} \begin{picture}(i,\,k,\,v)\colon i.\hline dict\hline [k] = v \end{picture}
234
                                                                               316
235
                                                                               317
          def 'fail():
                                                                                       # file stuff
236
                                                                               318
            "testing failure"
                                                                                      def csv(f=None, sep=","):
237
                                                                               319
            assert False, "failing"
                                                                                        def prep(s): return re.sub(rfl(["n"t"r ]-#.*)fl, flfl, s)
238
                                                                               320
239
                                                                               321
          def data(file="../data/vote.csv"):
                                                                                          with open(f) as fp:
240
                                                                               322
            "simple load of data into a table"
241
                                                                                           for s in fp:
                                                                               323
            t = Table(csv(file))
242
                                                                                             if s := prep(s): yield s.split(sep)
                                                                               324
            assert 435 == len(t.rows)
243
                                                                               325
            assert 195 == t.cols.all[1].has[flyfl]
244
                                                                               326
                                                                                          for s in sys.stdin:
                                                                                           if s := prep(s): yield s.split(sep)
245
                                                                               327
          def nclasses(file="../data/diabetes.csv", kl="positive"):
246
                                                                               328
            "read data with nclasses
247
                                                                                        command-line stuff
                                                                               329
            ts = stratify(csv(file))
248
                                                                                      def cli(f):
                                                                               330
                           == len(ts.klass)
                                                                                        used, p = -", parse(prog="'./"+f."name", description=f."doc",
                                                                                        for (k, h),b4 in zip(list(f. "annotations" .items()),f. "defaults"): k0 = k[0]
249
                                                                               331
            assert 268
                           == len(ts.klass[kl].rows)
250
                                                                               332
                            == len(ts.all.rows)
251
                                                                               333
            assert \ 3.90625 == ts.klass[kl].cols.all[0].sd()
252
```

Table 1: Random table

Name		
First name	Last Name	Grade
John Richard	Doe Miles	7.5 2

Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies

```
used[k0] = c = k0 if k0 in used else k0.lower()
335
          if b4==False:
336
               p.add'argument("-"+c, dest=k, help=h, default=False,
337
                                  action="store true")
338
          else: p.add argument("-"+c, dest=k, default=b4, help=h+" ["+str(b4)+"]", type=type(b4),
339
340
                                  metavar=k)
341
        f( **p.parse args(). "dict" )
342
343
       # start up stuff
344
                  == " "main "":
      if
          name
        cli(kevs)
346
        sys.exit(fails)
```

Heading on level 1 again

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies

Heading on level 2

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem.

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo.

First This is the first item

Last This is the last item

Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi.