一、常见问题

1、Downgrade the protobuf package to 3.20.x or lower

解决方法：

```
pip install protobuf==3.19.0 -i https://pypi.tuna.tsinghua.edu.cn/simple
```

2、DLL load failed while importing _imaging：找不到指定模块

解决方法：

```
pip install pillow==7.1.2 -i https://pypi.tuna.tsinghua.edu.cn/simple
```

3、module 'numpy' has no attribute 'typeDict'

解决方法：

```
pip install numpy==1.23.5 -i https://pypi.tuna.tsinghua.edu.cn/simple
```

4、TypeError: function takes at most 13 arguments (17 given)

```
TypeError: function takes at most 13 arguments (17 given)
```

解决方法：

```
解决办法：将loss.py中的“gain = torch.ones(7, device=targets.device)”改为“gain = torch.ones(7, device=targets.device).long() ”即可
```

5、module 'PIL.Image' has no attribute 'ANTIALIAS'

```
File "D:\code_workspace\python_workspace\yolov5\utils\callbacks.py", line 73, in run
  logger["callback"](*args, **kwargs)
File "D:\code_workspace\python_workspace\yolov5\utils\loggers\__init__.py", line 313, in on_train_end
  self.tb.add_image(f.stem, cv2.imread(str(f))[..., ::-1], epoch, dataformats="HWC")
File "E:\Anaconda\envs\yolov5_env\lib\site-packages\torch\utils\tensorboard\writer.py", line 545, in add_image
  image(tag, img_tensor, dataformats=dataformats), global_step, walltime)
File "E:\Anaconda\envs\yolov5_env\lib\site-packages\torch\utils\tensorboard\summary.py", line 381, in image
  image = make_image(tensor, rescale=rescale)
File "E:\Anaconda\envs\yolov5_env\lib\site-packages\torch\utils\tensorboard\summary.py", line 423, in make_image
  image = image.resize((scaled_width, scaled_height), Image.ANTIALIAS)
AttributeError: module 'PIL.Image' has no attribute 'ANTIALIAS'
```

解决方法：

results.csv | requirements.txt | summary.py

```
414  def make_image(tensor, rescale=1, rois=None, labels=None):
417      height, width, channel = tensor.shape
418      scaled_height = int(height * rescale)
419      scaled_width = int(width * rescale)
420      image = Image.fromarray(tensor)
421      if rois is not None:
422          image = draw_boxes(image, rois, labels=labels)
423      image = image.resize( size: (scaled_width, scaled_height), Image.LANCZOS)
424      import io
425      output = io.BytesIO()
426      image.save(output, format='PNG')
427      image_string = output.getvalue()
428      output.close()
429      return Summary.Image(height=height,
430                           width=width,
431                           colorspace=channel,
432                           encoded_image_string=image_string)
433
```

6、bad git executable

解决办法：在 cmd.py（当前虚拟环境下的 Lib\site-packages\git\cmd.py） 中加入以下代码，提示信息上面有这个文件的路径，点进去就行

```
os.environ['GIT_PYTHON_REFRESH'] = 'quiet'
```

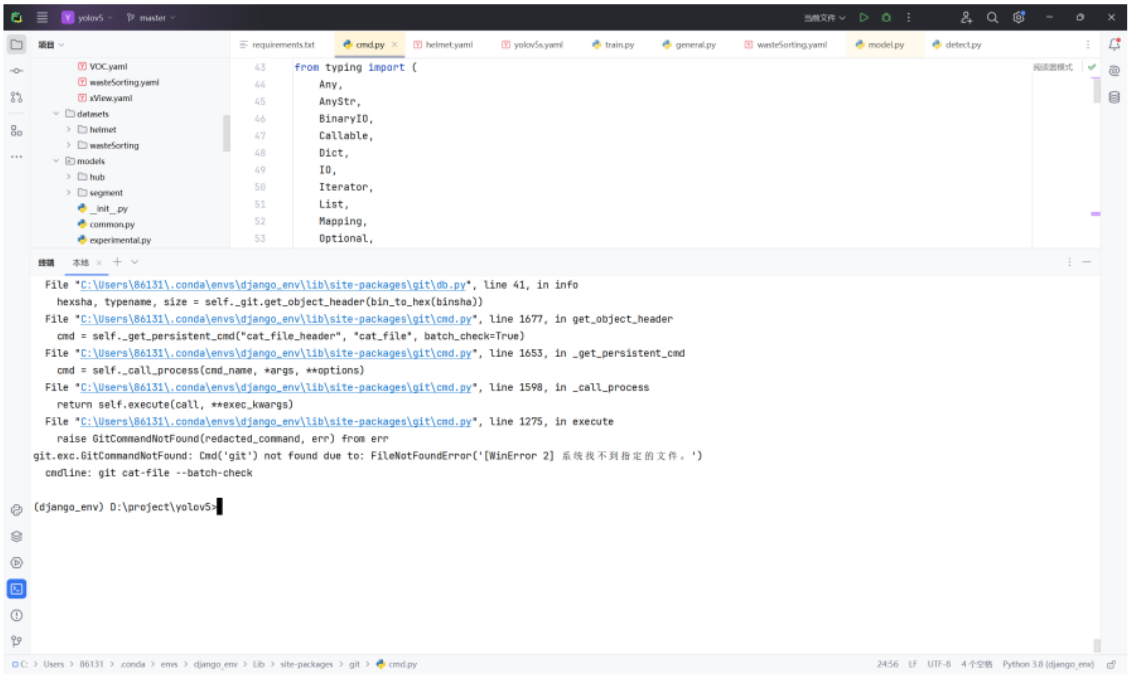
7、ONNX: export failure 474.0s: DLL load failed while importing onnx_cpp2py_export: (DLL)

解决办法：降低 ONNX 的版本

```
pip install onnx==1.16.1 -i https://pypi.tuna.tsinghua.edu.cn/simple/
```

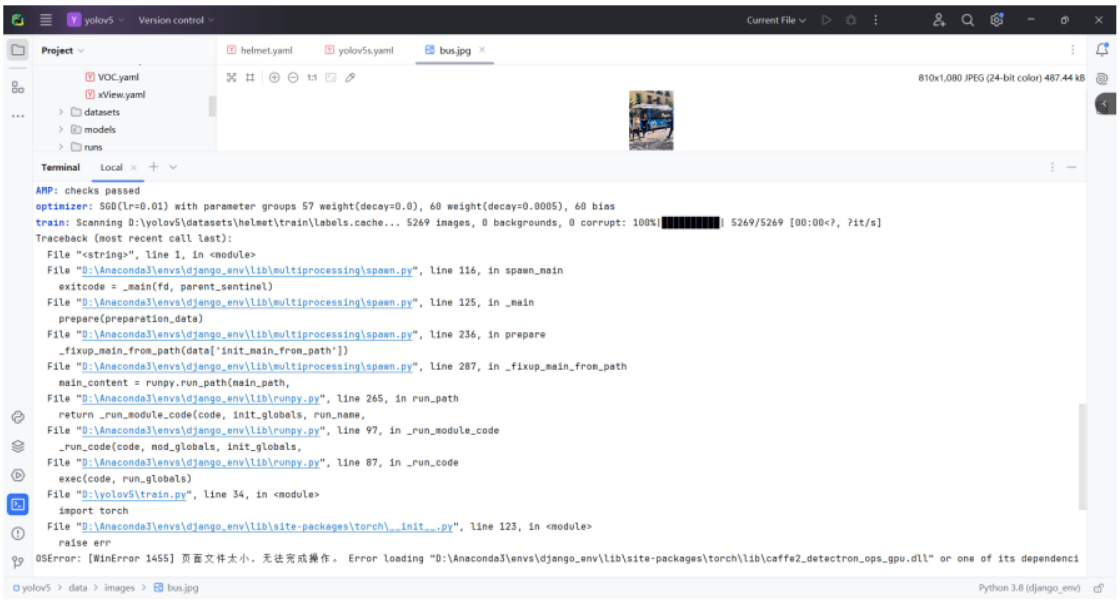
8、export failure 0.6s: Unsupported ONNX opset version: 17

9、Cmd(git)



解决办法：把 train.py 中的部分源码 100行、489 行注释掉

10、页面文件太小、无法完成操作



解决办法：修改虚拟环境对应的磁盘的虚拟内存大小

11、lableimg 报错解决

- 标注的时候闪退问题一

```
(labels_env) C:\Users\ASUS>labelimg
Traceback (most recent call last):
  File "C:\Users\ASUS\.conda\envs\labels_env\Lib\site-packages\libs\canvas.py", line 530, in paintEvent
    p.drawLine(self.prev_point.x(), 0, self.prev_point.x(), self.pixmap.height())
TypeError: arguments did not match any overloaded call:
  drawLine(self, l: QLineF): argument 1 has unexpected type 'float'
  drawLine(self, line: QLine): argument 1 has unexpected type 'float'
  drawLine(self, x1: int, y1: int, x2: int, y2: int): argument 1 has unexpected type 'float'
  drawLine(self, p1: QPoint, p2: QPoint): argument 1 has unexpected type 'float'
  drawLine(self, p1: Union[QPointF, QPoint], p2: Union[QPointF, QPoint]): argument 1 has unexpected type 'float'
```

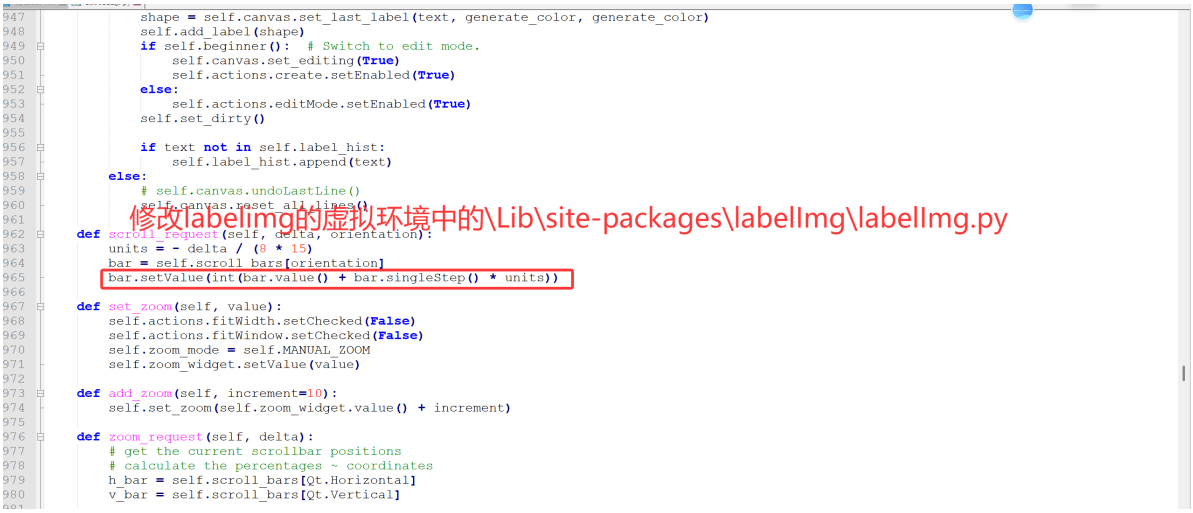
- 解决办法


```
class Canvas(QWidget):
    def paintEvent(self, event):

        # Paint rect
        if self.current is not None and len(self.line) == 2:
            left_top = self.line[0]
            right_bottom = self.line[1]
            rect_width = right_bottom.x() - left_top.x()
            rect_height = right_bottom.y() - left_top.y()
            p.setPen(self.drawing_rect_color)
            brush = QBrush(Qt.BDiagPattern)
            p.setBrush(brush)
            p.drawRect(int(left_top.x()), int(left_top.y()), int(rect_width), int(rect_height))

        if self.drawing() and not self.prev_point.isNull() and not self.out_of_pixmap(self.prev_point):
            p.setPen(QColor(0, 0, 0))
            p.drawLine(int(self.prev_point.x()), 0, int(self.prev_point.x()), int(self.pixmap.height()))
            p.drawLine(0, int(self.prev_point.y()), int(self.pixmap.width()), int(self.prev_point.y()))

        self.setAutoFillBackground(True)
        if self.verified:
            pal = self.palette()
            pal.setColor(self.backgroundRole(), QColor(184, 239, 38, 128))
            self.setPalette(pal)
        else:
            pal = self.palette()
            pal.setColor(self.backgroundRole(), QColor(232, 232, 232, 255))
            self.setPalette(pal)
```

- 标注的时候闪退问题二

```
(labels_env) C:\Users\cc>labelimg
Traceback (most recent call last):
  File "E:\Anaconda\envs\labels_env\Lib\site-packages\labelImg\labelImg.py", line 965, in scroll_request
    bar.setValue(bar.value() + bar.singleStep() * units)
TypeError: setValue(self, a0: int): argument 1 has unexpected type 'float'
```

- 解决办法




```
            shape = self.canvas.set_last_label(text, generate_color, generate_color)
            self.add_label(shape)
            if self.beginner():  # Switch to edit mode.
                self.canvas.set_editing(True)
                self.actions.create.setEnabled(True)
            else:
                self.actions.editMode.setEnabled(True)
            self.set_dirty()

            if text not in self.label_hist:
                self.label_hist.append(text)
        else:
            # self.canvas.undoLastLine()
            self.canvas.reset_all_lines()

    def scroll_request(self, delta, orientation):
        units = - delta / (8 * 15)
        bar = self.scroll_bars[orientation]
        bar.setValue(int(bar.value() + bar.singleStep() * units))

    def set_zoom(self, value):
        self.actions.fitWidth.setChecked(False)
        self.actions.fitWindow.setChecked(False)
        self.zoom_mode = self.MANUAL_ZOOM
        self.zoom_widget.setValue(value)

    def add_zoom(self, increment=10):
        self.set_zoom(self.zoom_widget.value() + increment)

    def zoom_request(self, delta):
        # get the current scrollbar positions
        # calculate the percentages ~ coordinates
        h_bar = self.scroll_bars[Qt.Horizontal]
        v_bar = self.scroll_bars[Qt.Vertical]
```