A Appendix

A.1 Detailed results of the multi-turn voting process

Originality	Random	Ghost Writer (MLE)	REGS-SeqGAN	REGS-SeqGAN +TextRank	SeqGAN	MaliGAN	RapGAN (PRO)	RapGAN (PRO+AREGS)
RapGAN (PRO)	win:24 tie:16 lose:0	win:35 tie:0 lose:5	win:28 tie:8 lose:4	win:26 tie:9 lose:5	win:17 tie:15 lose:8	win:15 tie:14 lose:11		win:12 tie:13 lose:15
RapGAN (PRO+AREGS)	win:29 tie:11 lose:0	win:31 tie:6 lose:3	win:28 tie:10 lose:2	win:26 tie:13 lose:1	win:15 tie:16 lose:9	win:24 tie:13 lose:3	win:15 tie:13 lose:12	
Ghost Writer (MLE)	win:25 tie:11 lose:4		win:13 tie:11 lose:16	win:14 tie:11 lose:15	win:8 tie:15 lose:17	win:10 tie:12 lose:18	win:5 tie:0 lose:35	win:3 tie:6 lose:31

Table 1: Evaluation of *Originality* of each model with Multi-Turn.

Diversity	Random	Ghost Writer (MLE)	REGS-SeqGAN	REGS-SeqGAN +TextRank	SeqGAN	MaliGAN	RapGAN (PRO)	RapGAN (PRO+AREGS)
RapGAN (PRO)	win:20 tie:11 lose:9	win:12 tie:18 lose:10	win:32 tie:5 lose:3	win:30 tie:8 lose:2	win:20 tie:16 lose:4	win:14 tie:10 lose:16		win:10 tie:12 lose:18
RapGAN (PRO+AREGS)	win:29 tie:20 lose:4	win:25 tie:12 lose:9	win:28 tie:32 lose:3	win:24 tie:30 lose:2	win:17 tie:20 lose:3	win:21 tie:14 lose:5	win:18 tie:12 lose:10	
Ghost Writer (MLE)	win:25 tie:7 lose:8		win:18 tie:12 lose:10	win:21 tie:10 lose:9	win:16 tie:12 lose:12	win:10 tie:7 lose:23	win:10 tie:18 lose:12	win:9 tie:6 lose:25

Table 2: Evaluation of *Diversity* of each model with Multi-Turn.

Fluency	Random	Ghost Writer (MLE)	REGS-SeqGAN	REGS-SeqGAN +TextRank	SeqGAN	MaliGAN	RapGAN (PRO)	RapGAN (PRO+AREGS)
RapGAN (PRO)	win:40 tie:0 lose:0	win:21 tie:11 lose:8	win:32 tie:3 lose:5	win:31 tie:6 lose:3	win:19 tie:12 lose:9	win:23 tie:7 lose:10		win:18 tie:10 lose:12
RapGAN (PRO+AREGS)	win:40 tie:0 lose:0	win:31 tie:6 lose:3	win:30 tie:8 lose:2	win:33 tie:2 lose:5	win:16 tie:10 lose:14	win:20 tie:12 lose:8	win:12 tie:10 lose:18	
Ghost Writer (MLE)	win:29 tie:7 lose:4		win:15 tie:15 lose:10	win:12 tie:17 lose:11	win:13 tie:7 lose:20	win:15 tie:8 lose:17	win:8 tie:11 lose:21	win:3 tie:6 lose:31

Table 3: Evaluation of *Fluency* of each model with Multi-Turn.

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A.2 All lyrics generated by each model

Model name	Start sentences	Generated songs
Original lyrics	一雙放在櫃子裡 捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	每天上班下班只能在帆布鞋裡 Everyday. Get to work. Get off work. I am torn in the canvas shoes. 眉皺了又皺 Brow wrinkled and wrinkled 這周的作業　翻覆去勾了又勾 Homework this week is turning over and over again. Selected and selected again. 不及格的破滅 Failed and Shattered.
Ghost Writer (MLE)	一雙放在櫃子裡 捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	每天上班下班只能在帆布鞋裡糾結 Everyday. Get to work. Get off work. I am torn in the canvas shoes. 這個女人和我走過程會習慣 This woman comes with me. You'll get used to it. 告訴你媽媽你才不管 Tell you mom, you don't care.
SeqGAN	一雙放在櫃子裡 捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	每天上班不下班只能在屎裡 Everyday. Get to work. Don't get off work. I am in a shit. 我是讓為了朋友是你們再把隨便 I was for friends. You are unceremonious. 直到讓你中和 Until let you neutralize.
Mali-GAN	一雙放在櫃子裡 捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	每天上班下班也在上班根本不想做 Everyday. Get to work. Get off work. Got a job but don't want to do the job. 後悔真正總是用一只水很多有屎裡 Truly regret. Always use a bottle of water. Most of them contain shit. 這麼做只跟著唱回頭發現很多時間吧 Do this. Only sing along. Look back to realize you had a lot of time.
REGS- SeqGAN	一雙放在櫃子裡 捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	那種苛刻還有態度剩下你們更不怕 That kind of buster and attitude. The rest of you are not more afraid. 兄弟不是你找玩打你去玩什麼過來 Homies are not for you to play with. What do you play? Come here!! 自己為何這麼靠著這能慢慢給明天 Why I am so reliable? This is able to remain for tomorrow.

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RapGAN (PRO)	一雙放在櫃子裡 捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	沒辦法出去走走我確實像去武裝 I can't hang out, I really like to brace myself. 混不出一個人都在趁熱打鐵 A person strikes while the iron is hot then couldn't cut it. 所以我也無法寫我的夢 So I still can't write my dreams. 像綜藝節目很重 Like variety shows are hardcore.
RapGAN (PRO+AREGS)	一雙放在櫃子裡 捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	都在我的照，覺得我在想發法兒 It's all in my photo. Thinking about I am finding some ways out. 等一下拿個板兒可能是假全身傻逼吃飽 Wait a minute for that board. May pretend to be full of stupidity. 不能理解我的航班剛終於抵達 Can't understand my flight just arrived. 所以別攔我，迷惘的觀好像都比較記得還有我 So don't stop me. I'm confused. The audiences seem to remember that I am still here. 我有問號，權利，兄弟，我流浪就像得到人生了 I have a question mark, right, brother. I wander just like getting a life. 現在你只看到曾經的是了我的team Now you only see the team which was for me. 已經有人進去你認識我是新面孔 Already someone has joined. You know I am a new face. 一個人不完的許多愁 There are countless melancholy in me. 比方說來到這裡的風right right GO Just like the wind coming right here and right go.

Table 4: Comparison with all text generation models has mentioned.

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